





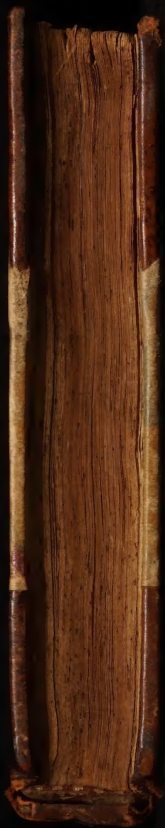
THE
PERFECT
HORSE-
MAN
—
MARKHAM



1671



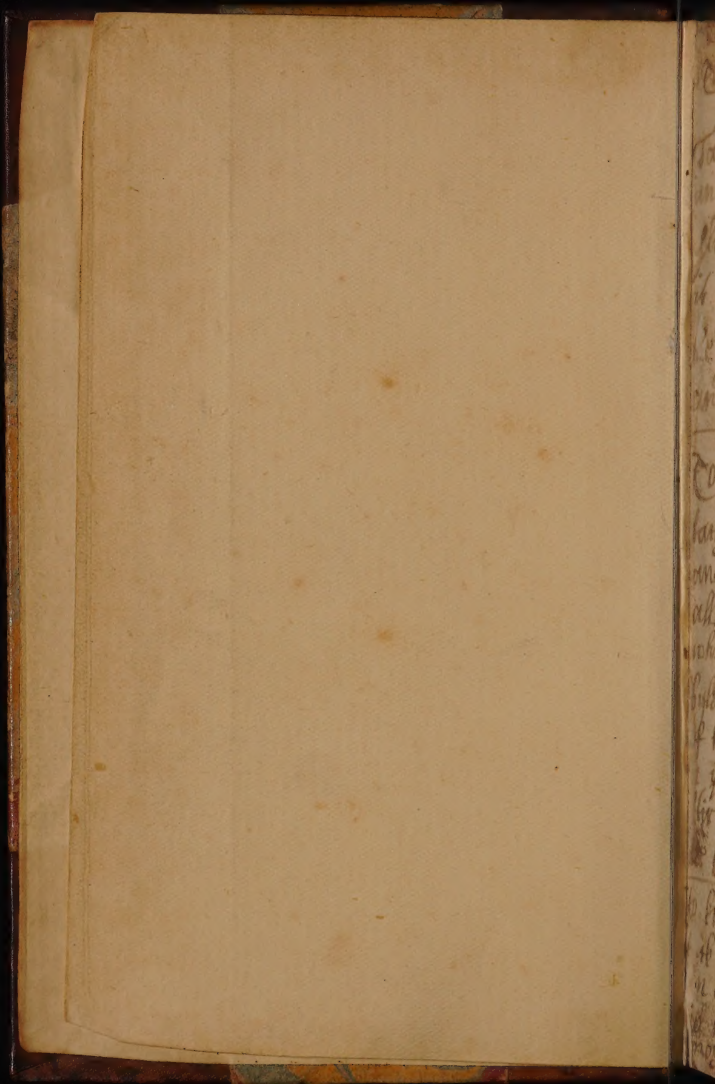




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2nd Ed

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To cure the murrin in Hogg
Take a Roost bonye of an Hogg
an of much Ruffy bafcon and
flit the hoggs eare and put
it in betwene the eysol and
the string the insid of the eare
an it is amfable remedy

To help a bullock that stoll
take three pint of nom milk
and a quarter of a pound of
allom billet it stir it all the
while it byles and when it is
byled put to it a good spunged
of hennay and a quarter of
a pound of bouldallmonach
stir it all to yether and gif it
to bullock at three mornings

To kill lice in a horse
take half an ounce of quick silver
in a pound of horse mipe well
at the quick silver be killed
moynt the horse all over

To Cure the vynes
those of the haire from the
swold place an lay a plaist
of shoomakers waxe an redo
it not till the sore breake the
renow the plaister an it will
both heale and dry it

To Cure the pole euill
shaine of the haire then lay on
a plaister of shoomakers waxe
spread upon white almond oile
an it will break it then take
a pint of wine vinegar an
it is boyling hot mixe with
as much loame straws an
in it of will bring the wine
unto a thike pulley then a
thick of hot as the horse can
suffer it to the sore an red
it once a day till the imp
ure be whole this medicine
cureth any sore hard whetsoever
other galls or bruises

for the stragons
cut woodes an bay salt an
mixing them well together stow
it into the horses eares
some will stow his eares
with following
a horse that desperat. Take
L'asotida dissolved in vinegar
pore a chaffingdish of coal
n stufe it in his eares with
it an let him stand 24 hore
nor let the horse blood in the
eare uaine two or three morning
times

For a tredd or a beuf or gone the
cutt sage an salt an mixe them
like a past first wash it with wine
an lay on the sage an salt then
drawing drawne the uaine out
like traine oyl and as much
hite lode an mixe it together
an stow it in the eare till it
all be drawne out

a general medicine for all the
inward diseases of furrows
in horses

There is no medicine more
souveraign for all diseases wher
bred in a horses body then to
take halfe an ounce of
Giapente and brew it with
a pint of saute for colic
in mustardine for sickness
give it the horse fasting three
mornings together when the
horse drops first

The next to this is to take of
salladine two handfulls roots of
leaves thereof and bruise them to
powder saig mint as much
aloud halfe an ounce boyle these
in a pottle of beer or ale till
one half be consumed then give
it the horse luke warme to dr

colladine of it selfe or the yung
of it selfe boyled in beer or ale
and of much brimstone as a wall
it is an excellent drenth for any
ony taken forsoite

To make powder Saltdi Diapente
take of gentian of aristolochia
e bayberries of myrrh an of the
havings of every of each a like
quantity boate them into very fine
poder and then sette it this powder
is praised to bee a soueraign
reformation or medicine against
all inward diseases

To make the powder of hony an lyme
take lime boate it in to powder and
with hony then make it into
litol take then put it into a hot
oven or into the fire till it be red
then boate into powder and use it
your occasion it dryeth healthe
skinne and any sore whatsoeuer
very marvailously



The
Perfect
HORSEMAN
or the
Experienced
SECRETS
r of
M. MARKHAM'S
50 Years
PRACTICE



M. Markham

THE PERFECT
Horse-Man.

OR THE
Experienced SECRETS
OF
Mr. MARKHAM'S
Fifty Years Practice.

Shewing how a Man may come to be a
General Horseman,

By the Knowledge of these seven Offices ;

Viz.

The { BREEDER { RIDER
 { FEEDER { KEEPER
 { AMBLER { BUYER
FARRIER.

The last Edition, much Enlarged.

ublished by *Lancelot Thetford*, Practitioner in
the same Art for the space of Forty Years.

ondon, Printed by *J. D.* for *Richard Chiswell*
at the two Angels and Crown in *Little*
Britain, 1671.



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TO THE
READER.



*Ere not this the Off-spring
of a long Conception, and
(after above fifty years
Experience) fitted for
the birth, I would not now
produce it into the World,
since so many of the same kind have already
crept in before it, that this can scarce
expect the least portion of your Acceptation:
Yet when I tell you, that (notwithstanding all
Mr. MARKHAMS Promises in his former Book to lay open his Cabinet
Councils) you shall here find many most
Rare Secrets of his, and yet not so much
his own, as his most intimate Friends, The
Publisher hereof, to whom as a Legacy,
he bequeathed them, and by whom since,*

TO the READER.

for his private use and experience, and with most approved success, they have been practised for above Forty Years: For there is no part of HORSEMANSHIP, either for the Theorick or Practick, but is here exactly discovered: For Breeding, here is the manner how, the season when, the place where, together with the Colours, Marks and Shapes, as well of Stallions as Mares. The Feeder, Rider, Keeper, Ambler and Buyer, have here their most particular Instructions; but above all, the Farrier (be he never so skillful) may hereby perfect his knowledge, and enrich himself. But whosoever thou bee'st that buyest it, whether for thy pleasure, or profit, if thou art pleased, I have my ends.

Farewel.



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THE PERFECT
Horse-Man.

The Office of the Breeder.

*Observations in Breeding of
HORSES.*

MEN may imagine I harp upon one string, or tread the old paths in which I walked in my first years. But let them not deceive themselves : the Meanders and Windings in which I now labour, are of new discovery ; and howsoever I may now and then come under the same height, yet shall he that follows me, find it so removed, that it shall bring him a much nearer way to his journeys end. For in these short Essays, I have striven only to amend

B

mend errors overslipt before, and to acquaint my Friends with all those uncontrollable experiments which I have found out since in forty years and more: And believe it, he is an ill Proficient, that in such a time cannot find (in the Art he professeth) something worthy his Friends acceptation. Therefore thus to my Breeder.

Choice of Grounds.

The Grounds-to breed on would be spacious, and not strait, for Horses joy not in Cages. There accommodate according to your Stock; and though the more the merrier, yet the fewer the better fare. They would not be extreme fertile, nor extreme barren; the golden number is the best temper: yet to incline a little to hardness, is better than much rankness; the one breeds health, the other diseases.

Let the Scituation be ascending, the Air pure, the Laire dry, and the Foot-tread firm, no matter how rough or incertain.

As much Ground as will keep a Milch-Cow, will keep a Milch-Mare, and a great deal less when she is barren or unwrought.

Change

Change of Grounds.

Again, as Change of Pasture makes fat Calves, so Alteration of Grounds raises gallant Colts. Therefore strive to have one Ground to Foal in, another to Summer in, and a third to Winter in. The first to be without danger, the second not without shelter, and the third defended from storms and tempests by Trees, Hovel, Shed, Barn or Back-stable, wherein may be stored Winter-provision.

Thus far for those which have ability. But for them which must breed for necessity, let his Yard, Back-side, or Stable serve to Foal in, the white Corn-fields to Summer in, and the Cratch or Stand-heck to Winter at.

Choice of Stallions and Mares.

Next the Change of Grounds, I place the Choice of Stallions and Mares, which is a Theme I have so oft written of, that I must needs refer the Curious to those larger Volumus, and only, in this place say, That for as much as all men covet to be governed by their own passions, therefore I leave them to their own choice, and the end for which they breed; yet advising them, that of those Races

of which they make election, they choose the best and ablest, the highest spirited, the fairest coloured, and the finest shaped; whether it be Neapolitan, Turk, Spaniard, Barbary, English, Dutch, Polander, French or German. And because it is impossible to find out absolute perfection, I would have our Breeder to inform himself well of all the natural defects that can be found in the Stallion, and to amend them in the Mare that shall be joyned with him; and what is amiss in the Mare, to see it repaired in the Horse.

For any singular election of Mares, the Breeder need not be too curious; only observe, that if you can get true breed, you then pass by the bastard; if you may have the Gentleman, never make use of the Clown. But when you are tyed by necessity or compulsion, then see the Mare have a good forehead, a large womb, sound limbs, fair colour, and good metal. For the rest, let Nature alone, she is a brave Mistress.

Now for those Breeders which look not so much into the breed and generation of the Horse, as into his actions and good dayes works; accounting because he hath won such a wager, or beaten such a Horse, therefore he must necessarily be an excellent Stallion: Let them know they are deceived; for this is no good consequence; no more than if a
robustuous

BREEDER. 5

robustuous strong skilful Clown should give a weak unskilful Gentleman a Fall, therefore all the Clown-bred should be excellent Wrasters. This can hold for no Maxim; for I am perswaded, that let a Gentleman have either skill to encounter strength, or strength to encounter skill, there is no Clown that can foil him. In like manner, a Clown-horse by training, feeding and riding, may beat a true bred Horse; but when they encounter upon equal terms, Truth will shew her self for a Mistress. Therefore in this case of Breeding, get as near as you can true Breed, and it will seldom or never bring forth Repentance.

The Age of Stallions and Mares.

A Horse may beget good Colts from four years old to fourteen; after he declineth: And a Mare may bring forth from three years old to thirteen, and then she decayeth: yet are neither utterly lost, but both may be made to serve for the same use a much longer season.

Moderate labour is good for Breed of Mares, when they go over; for it maketh them apt to take the Horse, and soon to conceive.

B 3 When

When to put Horse and Mare together.

The absolute best time to put the Horse and Mares together, is the beginning of *March*, provided there be strength and lust in both. For, the earlier the Foal falleth, finding no want or scarceness, the better Horse is ever produced. And so consequently from the beginning of *May*; the Foals that fall after such a time, cannot chuse but have imperfection in some condition. For they have two great enemies to encounter withal (not before known) which daily fall upon them, that is, Hunger and Cold, with which the early Foal hath been before familiar.

There be some Horsemen which hold, that the *Lammas* Foal proves ever an excellent Horse; and I dissent not from it, where there is plenty and fulness of keeping; for he knows the worst of Winter before Summer appear, and so may be good and hard; but if he chance to be pinched with either, the smalness of his statute will lessen his goodness, and his weakness makè useless his hardness.

The *Lammas* Foals are commonly known by many obscure feathers out of their own fights, as under their eyes, upon their necks, crests, and under their chaps. To conclude, it is not good to put the Horse to the Mares

at

BREEDER.

at all, till you find some ready, (speaking of a general putting together) for so the Horse loseth his strength unfruitfully, and she gets nothing but chasing and mischiefs.

When Mares are fit for the Horse.

To know when your Mares are ready (if it be in a wild Stud) observe their chasing and galloping up and down morning and evening, and their inconstancy of abiding in any one place, especially throwing their Noses to the North and South, the lifting up of their tayls, riding on one anothers backs, wooding one another, oft pissing, or opening of their shares and closing them again, all are signs of Lust: If you will make a more particular tryal, then prove them with some stoned Tit or Jade.

How to put them together.

When your Mares are ready, the question is how they shall be put together, whether abroad at random for sundry weeks, or at home in private for a night or two?

If abroad, let your fence be good, your food sweet, and your shelter sufficient. If in the house, then in some empty Barn or spacious place, which may be free from danger of Posts or other occasion of rushes: And

let them remain from Sun-set till Sun-rise, and two nights are sufficient.

Now there is a third manner of covering, and I prefer it for the best, because it keeps the Stallion longer in ability, and serves the Mare with a great deal more certainty. And that is, first to be sure to have them both at one diet, as the Mare at Grass, and the Horse at Soil; then finding the Mare (by tryal) ready, put them together into some close-walled Paddock, where there is store of sweet Grass and sweet Water, just upon the going down of the Sun, and as near as you can observe, either three dayes after the Change, or three dayes before the Full of the Moon, and let them remain close together two whole nights and one day, and take the Horse from her at Sun-rise.

How many Mares for one Horse.

If you cover abroad (as I spake before) at random, an Horse may well serve twelve Mares, if you expect no other service of him. If you cover in the house, where he hath extraordinary keeping, and little chafing, he will satisfie fifteen. But if you cover in the Paddock, then I have known an high spirited Horse for one year, serve to keep you Mares in an indifferent estate of body; for too much fatness

BREEDER?

9

fatness hinders Conception, and too much leanness abates Lust.

Ordering after Covering.

After your Mares are covered, keep them as much as you can from disturbance, especially for a month after covering, and a month before quickning, yet if necessity compel, you may give them moderate exercise, either in Journeying or otherwise: yet remember, if you keep the Mare in the house at hard meat, she will spring early and much; and sudden cold after, is dangerous for impregnment. Also remember, that a Mare at her first quickning, is like a Fruit-tree, whose Blossomes at the first appearance are tender, and easily destroyed with every shake of Wind, or nip of Frost; but after they are knit and fixt, they are hardly beaten down with cudgels.

To help Mares in Foaling.

If any of your Mares be hard of Foaling, or in danger in Foaling, then either hold her Nostrils so that she cannot draw Wind: or if that prevail not, then take the quantity of a Walnut (or better) of Madder, and dissolve it in a Pint of old Ale, and being warm give it the

the Mare. If both fail, then take the help of some understanding Midwife.

Now if after her foaling she do not cleanse or avoid her *Secundine*, then boyl two or three handfuls of Fennel in running Water, and take half a Pint thereof, and as much Malmſie, with a fourth part of Sallet-oyl, and mixing them together, give it the Mare luke-warm into her Noſtrils, then hold them close a little ſpace after it: otherwiſe for want of this give her green forrage, that is, either green Wheat or Rye, (but Rye is beſt) and they are as effectual.

By no means let the Mare eat her cleaning (which many will covet) for it is unwholſom, and an hindrance to her milk.

How long Foals to run with their Dams.

Let Foals run with their Dams (if you have good accommodation for them) a full year at the leaſt; or if they be choice and principal bred Foals, then two years, if poſſibly you can: For the going over the Mare will be no loſs, in compariſon of the excellency to which the Foal will attain by ſuch ſufference. But if you want good accommodation, then Wean at ſeven months, but be ſure to keep them luſtily; for what they loſe in the firſt year, they will hardly gain in
three

BREEDER.

three following. And at the Weaning give them Saven and Butter for divers mornings, or the Worm or Gargal will hazard to destroy them. Besides, have an eye to the Strangle, for it is apt to aslay them, and not taken in time, will prove mortal.

The first Winter, spare neither Hay nor Corn, that is, Oats in the Chaff or in the Sheaf; the chaffing of Wheat, Barley, or Rye, and indeed any Offal that comes from any Grain whatsoever.

To know a true Shape, Spirit, and Height.

The same shape which a Foal carries at a full month old, he will carry at six years old if he be not abused in after-keeping; and as the good shape, so the defects also.

A large Shin-bone that is long, from the Knee to the Pastern in a Foal, shewes a tall Horse. Look what space there is in a Foal new foaled, between his Knee and Withers, double that will be his Height when he is a compleat Horse.

Foals that are of stirring spirits, free from affrights, wanton of disposition, active in leaping, running and chafing, ever leading the way and striving for mastery, these alwayes prove excellent metal'd Horses, the contrary Jades.

To

To know goodneß.

There is a Rule, and it is a good one, That an Horses ability, and continuance in goodneß, is known by his Hoofs : For if they be strong, smooth, hard, deep, tough, upright-standing, and hollow, that Horse cannot be evil. For they are the foundation of his building, and lend fortitude to all the rest. If they be otherwise, he cannot be good or lasting. Whence it comes to pass, that no Horse naturally hath so good Hoofs as the *Barbary* ; and it is indeed the only character by which to know him from all other Horses.

Weaning of Foals.

Wean your ordinary Foals from their Dams at the end of seven months at the utmost ; the better, at a year, two, or more. And observing so to divide them, that neither the Foals nor the Dams may be within the hearing of one anothers call. For which cause it is thought fit to house the Foals for two or three nights, (on the mornings whereof you shall give the Saven and Butter before spoken of) that they may forget the Dams ; and send the Mares to their Pasture. Also, observe to keep them as high as is possible the
second

second year; but the third and fourth year you may put them to hard grasing.

Separating of Colts.

As you separate Foals from the Dams, so you must divide the Mare-Colts; for it is certain, that amongst these high-bred spirits, and with this lofty and full feeding, the Horse-Colts will covet to cover the Mare-Colts at a year, as I have seen by experience, and it is the destruction of both. Again, if you have such store of grounds, you may separate one years breed from another. This is the safest course, because of continual familiarity for change of quality.

Gelding of Colts.

If you intend to Geld any of your Colts, the only best time, and which maketh the finest Geldings, is at nine dayes old, or as soon as you perceive the stones to fall; for then is the least danger, and it maketh finest Crests. The time of the Moon to Geld in, is in the Wane; the Sign in *Aries* or *Virgo*; the time of the year in general, is the Spring or Fall: and although the earlier you Geld, the better and safer; yet notwithstanding you may safely Geld at any time, or any age, even from Foal

old age; and although the elder, the greater swelling, yet more exercise and more chafing will assuage it.

Taming of Colts.

Touching the Taming of Colts, or making them domestick or familiar, you shall begin even from the first weaning; and so Winter after Winter (in the House) use them to familiar actions, as rubbing, clawing, haltering, leading to Water, taking up of his feet, knocking his hoofs, and the like.

To Break Colts.

The best time to break Colts to the Saddle, according to the ancient opinion and general custom of men (and which brings them soonest to the use and service of the Owner, and therein supposed to be most profitable) is at three years old and the advantage, or four at the utmost. But say I, he that will stay and see his Horse fully five, shall be sure to have an Horse of longer continuance, less subject to disease and infirmity, and one that (but by death) will hardly come to the knowledge of Tying.

All the actions about a Colt in his nonage, or an Horse to break at elder age, must be done

one first with warning, next constantly and valiantly, not fearfully or doubtfully: The first begetteth obedience, the other rebellion.

Coiling of the Stud.

Touching the Coiling of the Stud, or making of special Elections, I need not spend much Ink, because the Owner best knows which are best bred, and his eyes can tell him where is the best shape and soundness. I only advise him by no means to make too early Coiling: for some Horses will shew their best shape at two and three years old, and lose it at four; others not till five, nay six, but then keep it ever. Some will do their best dayes work at six and seven years old, others not till eight or nine. But be the time when it will, let him preserve for his own use the best, the most comely, and most sound. Those which are defective, I mean such as bring incurable Deformities, gross Sorrances, as Spavens, Ringbones, imperfect Eyes, or the like, that shew palpable bastardy, send them away to the market.

When you find any of your Mares grow to barrenness, unnaturalness, or disease, away with them, and change them.

For

For all, though I could prescribe you Remedies, yet they are not worthy your use nor will I rue your loss: Therefore let such Mares go, for their profit is past, and they are useless.

Thus much touching Breeding.

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THE OFFICE OF THE RIDER.

Observations in Riding.

IT is not intended that in these few Observations, or short Touches, I should discover the whole Art of Riding; it neither fits the brevity of the Work, nor suits with my first promise in the Title.

He that looks for such largeness of discourse, I refer him to my greater Volumes; in this only is to be found things new, things certain, set down in way of Principles, or intelligible Rules, to conduct a man the easiest way to some perfection.

Times to handle Colts.

To begin then with the first Taming, or making gentle of a Colt (as I shewed you in the Observations for Breeding) you must begin the first Winter after his foaling, and so continue every Winter till he come to the

C Saddle,

Saddle, which time I have also set down in the same place ; and then there is no fear of evil qualities. But if a Colt of contrary education come to your hands, and must be handled, then apply him with all gentleness, and do nothing about him suddenly, roughly, or fearfully ; yet with that awe of your voice, your rod, and other terror, make him know you are his Master when he rebelleth. And when you begin to do any thing about him (of what nature soever) never leave it ; only take leasure, and rather win it by gentleness, than cruelty : Forget not to give the Horse reward, when he gives content ; and by no means punish, till you are sure he knows his error ; for before you give him understanding, it is impossible he should obey.

Neither doth this Taming of a Colt consist in the house only, but in the field also ; where with a Cavezan, or Chain, and a long Rein, with an Iron Turnel under his Chaps, you shall make him trot large Rings about you readily on both hands, and change at your pleasure as you shall turn him. And then to your cherishings, corrections, and all manner of handlings, which before you had used in the house.

When

When to Saddle.

When your Horse is thus made gentle, you may then offer him the Saddle: but with that deliberate carefulness, that he may not take affright or dislike thereat; suffering him to smell at it, to be rubbed with it, and as it were to feel it, and not to feel it; then in the end to fix it on, and girt it fast: and at what part and motion soever he seems most coy, with that make him most familiar.

When he will endure the Saddle, then trot him abroad with it, and make him (as before) rot his Rings on both hands about you, clap the Saddle as it stands on his back, shake it, hang and sway upon it, dangle the stirrups by his sides, rub them on his sides, and make much of him, and familiar with all things about him, as the straining of the Crooper, fastning and loosning the Gyrths, and taking up, or letting out of the Stirops.

Of Moutbing.

When he will trot with the Saddle obediently, then you shall wash a Trench of a full outh, and somewhat worn, and put it into his mouth, and throw the Reins over the fore part of the Saddle, Bolsters and all, and

make them of the length, that the Horse may have a full feeling of the Trench, and a sense to play on the same: Then put on a Martingal, and fix it from the Gyrths to the Chaulband of the Cavezan; but at that length, that the Horse may not find fault, unless he disorderly throw up his head.

Then take a broad piece of Leather, and put it about the Horses neck, and make the two ends fast by platting, or otherwise, at the Withers and mid-part before his Weisand, about two handfuls below his Trople: betwixt his Neck and the Leather let the Martingal pass; so that when at any time he shall offer to duck or throw down his head, the Cavezan being placed upon the tender grissel of his Nose, may correct and punish him. By which means he shall not only lose that foul quality of winning the head, and thrusting it between his legs; but also gain the way of raising up his neck, bringing down his head, and fashioning himself to an absolute Rein.

The Horse thus accoutred, trot him abroad as before shewed, and chase him about you on both hands. And if you find either the Reins of the Trench or Martingal to grow slack, then straiten them; for where there is no feeling, there is no vertue.

Of Backing.

When you have exercised your Horse thus divers mornings, noons, or evenings, and find him both tractable, ready, and obedient, you may then take him into some new ploughed ground (the lighter the better) and having chased him a little on both hands; and seeing all your tackle firm, strong, and good, and every thing in its true and due place, you may then (having one to stay his head, and govern the Chasing-Rein) take his Back, yet not suddenly, but by degrees, and with divers heavings and half-raising. Which if he endure patiently, then you may take the Reins of the Trench into your hands and settle yourself. But if he shrink or dislike, then forbear to mount, and chase him about you again, then offer to mount; and thus do till he receive you willingly. Then when you are settled, have received your stirrups, and cherish'd him, putting your toes forward; let him that stayes his head, lead him forward half a dozen paces, then both cherish him; then lead him forward a dozen paces, then rest and cherish, and shake and move your self in the Saddle: then let him that stayes his head, remove his hand a little from the Cavezan; and as you thrust forward your toes, so let him also

move him forward with his Rein, till you have made the Horse apprehend your own motions of body and foot, (which must go equally together, and with spirit also) so that he will go forward without the other assistance, and stay upon the restraint of your own hand, and not the stay of the Cavezan: then you shall cherish him, and give him grass or bread to eat; alight from his back; then mount and unmount twice or thrice together, ever mixing them with cherishings. Thus exercise him till you have made him perfect in going forward, and standing still at your pleasure.

Helps at first Backing.

When this is effected, you may lay by the long Rein, and the Band about the neck, and only use the Trenches, the Cavezan, and the Martingal; and instead of leading in hand, let a Groom, on another Horse, lead the way before you into the field; where you shall not strive to teach him any other lesson, than to go strait forthright forward, and to stand still when you please: which will be effected in a few mornings, by trotting him forward a mile or two after another Horse, and so bring him home sometimes after the Horse, sometimes equally with, and sometimes before,

so that he may fix upon no certainty, but your own pleasure. And in all this labour, you must have a special regard to the well-carriage of his head and neck; and as the Martingal slacketh, so to straiten it.

What Lessons for what Horse.

When this work is finished, you may then proceed to teach your Horse those Lessons which are fit for his practice, and the purpose for which you intend him. As if it be for Hunting, Running, Travel, Hackney, or the like; then the chiefest things you are to apply your self unto, are to preserve a good mouth, to Trot freely and comely, to Amble surely and easily, to Gallop strongly and swiftly, to obey the hand in stopping gently, and retiring willingly, and to turn on either hand readily and nimbly. To all which I will give you lights in their several places. But if you intend him for the great Saddle, or the use of the Wars, then although the Lessons be the same, yet they are to be taught and done in a more punctual manner, and ask more nice and artificial demonstrations. So that if an Horse can be brought to the best, the easier must needs follow with little industry. And it is a Rule in Horsemanship, that no Lesson which belongs to the Wars can be hurtful, or

do injury to any Horse whatsoever that is kept for any other purpose. Whence it cometh, that every Horse for the Wars may be trained for a Runner, or Hunter at pleasure: But every Runner or Hunter will not serve for the Wars: And every Horseman that can make an Horse for the Wars, may be a Jocky when he pleases; but no Jocky (that I know) can make an Horse for the Wars. Therefore I will run a middle way, and suit my Lessons for both purposes.

Helps and Corrections.

Before you teach your Horse any lesson, you must know there are seven helps to advantage him in his lessons, to punish him for faults gotten in his lessons; and they be the Voice, the Rod, the Bit or Snaffle, the Calves of the Legs, the Stirrop, Spur, and the Ground.

Voice.

The Voice is an help, when it is sweet and accompanied with cherishings; and it is a correction, when it is rough or terrible, and accompanied with strokes or threatnings.

Rod.

The Rod is an help in the shaking, and a correction in the striking.

Bit

Bit or Snaffle.

The Bit is an help in its sweetness, the Snaffle in its smoothness; and they are corrections, the one in its hardness, the other in its roughness, and both in flatness and squareness.

Calves of the Legs.

The Calves of the Legs are helps when you lay them gently to the Horses sides; and corrections when you strike them hard, because they give warning that the Spur follows.

Stirrop and Stirrop-leathers.

The Stirrop and Stirrop-leathers are helps when you thrust them forward in a quick motion, and stir up in the Horse spirit and agility. But when you strike it against the hinder part of the shoulder, it is a correction, and awakens memory.

Spur.

The Spur is an help when it is gently delivered in any motion that asks quickness and agility, whether on the ground, or above the ground; and a correction, when it is stricken hard into the sides, upon any sloth or other fault committed.

The

The Grounds.

Lastly, The Ground is an help, when it is plain and smooth, and not painful to tread on; and it is a correction, when it is rough, deep, and uneven, for the amendment of any vice conceived.

Of large Rings.

When your Horse will receive you to and from his back gently, trot forward willingly, and stand still obediently. Then, intending him for the Wars, or other purpose, (for these Lessons serve all occasions) you shall in some gravelly or sandy place, where his footsteps may be discerned, labour him within the large Ring ; that is, at least fifty paces in compass; and having trod it about three or four times on the right hand, rest and cherish, then taking compass, change your hand, and do as much on the left hand, then rest and cherish; then change the hand again, and do as much on the right hand, ever observing upon every stop to make him retire and go back a step or two.

Thus labour the Horse till you have him so perfect, that he will trot his Ring on which hand you please; changing within the Ring

in the manner of a Roman S. with such willingness, nimbleness, and constant Rein, that you can desire no better obedience. Then you may teach him to gallop them, as he did trot them; and that also with true footing, lofty carriage, and brave Rein: Ever observing when he gallops to the right hand, to lead with his left fore-foot; and when he gallops to the left hand, to lead with his right fore-foot.

Now here is to be cleared a Paradox held by many of our Horsemen, which is, that the exercise of Rings is not good for Running-Horses, because it raises up his fore-feet, and makes him gallop painfully, and so an hindrance unto speed. But if they consider that this habit (if it be taken) is soon broken either by the Horsemans hand or discretion, who hath power to make him move as he pleaseth. Or if they will truly look into the benefit of the Ring it self, they shall find it is the only means to bring an Horse to the true use of his feet, and the nimble carriage of them in all advantages. For every Runner of Horses will allow, that for an Horse (in his course) to lead with his right foot, is most proper; and when at any time he breaks or alters it, it must be disadvantage, because (not well acquainted to lead with the other) he cannot handle it so nimbly. Now at his first back-
ing

ing, by the use of his Ring and change of hands, he will become so expert and coming with both, that howsoever mischance shall alter his stroke, yet shall his speed and nimbleness keep one and the same goodness.

Of Stopping.

When you come to the place of stop, or would stop; by a sudden drawing in of your Bridle-hand somewhat hard and sharp, make him stop close, firm and strait in an even line: and if he err in any thing, put him to it again, and leave not till you have made him understand his error, and amend it.

Advancing.

Now if you do accompany this Stop with an Advancement a little from the ground, it will be more gallant, and may be done by laying the Calves of your Legs to his sides, and shaking your Rod over him as he stops.

If it chance at first he understand you not, yet by continuance and labouring him therein, he will soon attain unto it, especially if you forget not to cherish him when he gives the least shew to apprehend you.

Retiring.

Retiring.

After stopping and advancing, make him Retire, as before shewed. And this motion of Retiring, you must both cherish and increase, making it so familiar with him, that no lesson may be more perfect: Neither must he retire in a confused or disorderly manner, but with a brave Rein, a constant head, and a direct line: Neither must he draw or sweep his legs one after another; but take them clean, nimbly, and loftily, as when he trotted forward.

Of Bitting.

When your Horse is come to perfection in these lessons, and hath his head firmly settled, his rein constant, and his mouth sweetened, you may then (if you intend him for the Wars) take away his Trench and Martingal, and only use the Cavezan of four or three pieces; that is, a Joint or no Joint in the midst, and to that Joint a strong Ring, and a Joint of each side with Rings before the Joints, to which you shall put several Reins to use, either at the Post, or otherwise. Into his mouth you shall put a smooth sweet Canon-Bit, with a French Cheek, suitable to the proportion

of

of the Horſe neck; knowing that the long Cheek raiſes up the head, and the ſhort pulls it down. And with theſe you ſhall exerciſe the Horſe in all the Leſſons before taught, till he be perfect in them, without either diſorder or amazement.

Of ſtrait Turns and Turnings.

When he is thus ſetled upon his Bit, then you ſhall teach him to turn roundly and readily in the ſtraiter Rings: and of theſe there are divers kinds, and divers methods and manners how to teach them. All which I will omit, and only fix upon two manner of ſtrait Turns, as the perfection from whence all Turnings are derived.

The one is, When the Horſe keepeth his hinder parts inward, and cloſe to the Poſt or Center, and ſo cometh about and makes his circumference with his fore-parts, following an enemy that a little avoids him.

And the other is, When he keeps his Face fixt on the Poſt or Center, and comes about and makes his circumference with his hinder parts, oppoſing face to face with his enemy.

The firſt ſtrait Turn.

For the firſt of theſe ſtrait Turns, it is thus to be taught.

You

You shall to the Ring, in the mid-part of the Cavezan, fix a long Rein of two fathom or more; and to the other Rings, two other shorter Reins: then having saddled the Horse, and put on his Bit, bring him to the Post, and put the Reins of the Bit over the forepart of the Saddle, Bolsters and all, and fix them at a constant straitness on the top of the Pomel, so that the Horse may have a feeling both of the Bit and Curb. Then, if you will have him turn to the right hand, take the short Rein on the left side of the Cavezan, and bringing it under the Fore-bolster of the Saddle up to the Pomel, and there fix it at such a straitness that the Horse may rather look from, then to the Post on the right side: Then let some Groom or skilful Attendant hold the right side Rein of the Cavezan at the Post, governing the fore-parts of his body to come about at large: Then your self taking the long Rein into your hand, and keeping his hinder parts inward, with your rod on his outward shoulder, and sometimes on his outward thigh, make him move about the Post, keeping his hinder parts as a center, and making his fore-parts move in a larger circumference. Thus you shall exercise him a pretty space on one hand, till he grow to some perfectness and understanding of your Will. Then changing the Reins of the Cavezan, make him do the like

like to the other hand. And thus apply him divers mornings, mingling cherishing with his exercise, according to his deservings, till you have brought him to that readines, that he will, upon the moving of your Rod, couch his hinder parts in towards the Post; and lapping the outward fore-leg over the inward, trot about the Post swiftly, distinctly, and in as strait compass as you can desire, or is convenient for the motion of the Horse. And from trotting, you may bring him to flying or wheeling about with that swiftness, that both the fore-legs rising and moving together, the hinder-parts may follow in one and the same instant.

When you have made your Horse thus perfect in your hand, you shall then mount his back; and making some other skilful Groom, or Attendant, govern the long Rein, and another the short, by the motion of your hand upon the Bit, and left Rein of the Cavezan, keeping the Horses head from the Post; and by the help of the calve of your leg laid to his side, and your Rod turned to his outward-thigh to keep his hinder parts into the Post, labour and exercise him till you have brought him to that perfection which your self desire; Then take away the long Rein, and only exercise him with the help of the short Rein of the Cavezan, and no other.

After

After, take both the Reins of the Cavezan into your hands, and exercise him from the Post; making him as ready in any place where you please to ride him, as he was at the Post.

The other strait Turn.

Now for the other strait flying Turn, which is, to keep his face fixt on the Post as on his Enemy, and to move about only with his hinder parts; you shall take the same helps of the long Rein, and the short Reins of the Cavezan, and govern them as before shewed; only you shall not give the short Rein to the postward so much liberty as before, but keep his Head closer to the Post, and following his hinder parts with the long Rein, by the help of your Rod make him bring his hinder parts round about the Post: And observe, that as before he did lap one fore-leg over another, now he must lap the hinder-legs one over other.

In this lesson exercise him as in the former; when (after a perfectness) mount his back, and labour him as before shewed. Then lastly leaving the Post and all other helps, only ply him in such open and free places as you shall think convenient: For upon the finishing of this work, your Horse is made complete, and can perform all things that can be

required either for service in the Wars, for the High-way, or any other galloping pleasure: which is the end of mine aim, and the utmost journey I will take in these observations. Only for a conclusion, I will bequeath you one or two pretty Secrets.

How to help an ill Rein, and cure a Runaway Fade.

There are many Horses so evil beholden to Nature, for giving them short untoward Necks, and worse set on Heads; and so little beholden to Art to endeavour to amend them, that many good Horses are left cureless of these two gross unsufferable faults; which are either a deformed carriage of the Head like a Pig on a broach, or else a furious running away, got by a spoil'd mouth, or an evil habit.

The Help.

To Help any, or both of these: If it be a young Horse, at the first Riding, then to his Trench; If of old standing, then to his Snaffle, (for I speak not of the Bit.) Put a pair of Reins, half as long again as any ordinary Reins, and Loops to fasten and unfasten at the eye of the Snaffle, as other Reins have. Now when you see that the Horse will not

yield

yield to your hand, but the more you draw, the more he thrusts out his Nose, or the more violently he runs away; then undo the buttons of the Reins from the eye of the Snaffle, and drawing them through the eyes, bring them to the buckles of the foremost Girth, and there button them fast: Then riding the Horse in that manner, labour him with the gentle motions of your hand, coming and going by degrees; and sometimes accompanied with your Spur, to gather up his body, and to feel your command, and assuredly in a small expence of time, he will yield and bring his Head where you would place it. And for Running away, if you draw one Rein, you turn him about in despite of all art; and if you draw both, you break his haps, or bring them to his bosom: In the end, finding himself not able to resist, he will be willing to obey.

Another help for inconstant Carriage.

There is another foul error in many Horses, which these Reins also cure; as this, When our Horse is either so Wythie Cragg'd (as the Northern man calls it) or so Loose and Unsteady-Necked, that which way soever you draw your hand, his head and neck will follow it, sometimes beating against your knees,

sometimes dashing against your bosom, nay, sometimes knocking you in the face; and indeed, generally so loose and incertain, that a man cannot say at any time, he hath certain or steady hold of him. A vice wonderful incident to Running-Horses, especially the hot furious ones. In this case you shall take their long Reins; and as before you drew them to the buckles of the Gyrths, so now Martingal-wise draw them from the eyes of the Snaffle, betwixt his fore-legs to the Gyrths, and there fasten them. Thus ride him with a constant hand, firm and somewhat hard, correcting him both with the Spurs and Rod, and sometimes with sharp twitches in his mouth when he errs; and with a few weeks labour, his Head will come to a constant carriage, provided that you labour him as well upon his Gallop as his Trot, and leave him not till you find him fully reclaimed.

*How any Lady or Gentlewoman shall spur
her Horse as well as any Man, yet
unperceived.*

Take a strong Whale-bone, that is, at one end of one side round, of the other flat, and of a pretty thickness; then Rush grown and small to the other end. All round to the flat end glue a piece of Cord, about an inch

and

and an half longer, being to the upper end of the bone as thin as may be ; but from the end made Wedge-like, thicker and thicker, to half an inch thickness or more, as you shall find occasion, being a thing only to bear the bone from the Horses sides. Then you shall cause to be made of Iron a Neck of a Spur, an hand-ful or more long, having at the one end set a sharp Rowel as big as a great French Rowel, but not set as a mans Rowel, but cross-wise, the pricks looking to the Horses sides ; the other end of this Neck shall be rough, and with a Shoemakers Thred made fast to the small round end of the Whalebone. Then make fast the great end of the Whalebone with Leather, Glew and Nails, to the fore-part of the Side-saddle-tree, and look that the Spur stand opposite to the Spurring place of the Horses sides. Now as you do this side, so do the other side also.

Then take a strong Ribbon, and fasten it with a loop to the Spur neck on the near-side, and draw it under the Horses belly upon the far-side : Then fasten another to the Spur on the far-side, and fasten both ends at an even length under the Pomel of the Saddle, yet so as she may command it with her Bridle-Rein.

Now when she will Spur on the left side (which we call the near-side) let her draw

the Ribbon on the far side (which is the right side) and when she will spur on the right side, let her draw her Ribbon on the near side ; when she will spur both sides at once, let her draw both the Ribbons equally.

Thus much for the Office of the Rider.

THE

THE OFFICE OF THE FEEDER.

*An Introduction to the Work, touching the
limitation of time, for preparing the
Running-Horse.*

I Will not dispute the several opinions of Men in this Kingdom, touching the keeping of the Running-Horse, because I know many are idle and frivolous; some incertain, and a few in the right way. Only in this work I would clear one paradox, which is strongly maintained, and infinitely pursued by many of our best Professors; and that is the limitation or length of time, for the preparing or making ready of an Horse for a Match, or great Wager.

There be divers, nay, some which I know carry the Goddeses on their backs, that affirm, An Horse which is exceeding fat, foul, newly taken from grass, soil, or lofty, liberal

and unbounded feeding, cannot be brought to the performance of his best labour under six Months, five is too little, and four an act of impossibility. By which they rob their Noble Master of half a years pleasure, thrust upon him a tiring charge to make the sport loathsome, and get nothing but a cloak for ignorance, and a few false-got Crowns that melt as they are possessed.

Yet as Heretiques cite Scriptures, so these find Reasons to defend want of Knowledge.

As, the danger of too early exercise; the offence of greafe suddenly broken; the moving of evil humours too hastily, which leads to mortal sickness.

And the moderation or helping of all these by a slow proceeding, or bringing of the horse into order by degrees and time, or (as I may say) by an ignorant sufferance.

These Reasons I know have the shew of a good ground; for too early exercise is dangerous, but not if free from violence.

To break greafe too suddenly, is an offence unsufferable, for it puts both limbs and life in hazard; but not if purged away by wholesome Scourings.

The hasty stirring up of humours in a body, where they superabound, and are generally dispersed, and not settled, cannot chuse but breed sickness; but not where discretion and
judge-

judgment evacuateth them in wholsom, sweet and moderate airings.

And for the moderation of all these, by the tediousness of Time ; as two months for the first, two months for the second, and as much for the last : It is like the curing of the Gangrene in an old man ; better to die than be dismembred, better lose the prize than bear the charge : For I dare appeal to any noble judgment, whose purse hath experience in these actions, if six months preparation, and the dependances belonging to it, and his person do not devour up an hundred pounds wager.

But you will demand of me, What limitation of time I will allow for this purpose of reparation ? And I answer, That two months is sufficient at any time of the year whatsoever for an old Horse, or an Horse formerly trained, for I speak not of Colts ; and he that cannot do it in two months, shall never do it in fifteen.

But reply they, No Scouring is to be allowed, for they are Physical ; they force nature, and so hurt nature ; they make sickness, and so impair health : And that indeed nothing is comparable to the length of time, because Nature worketh every thing her self ; and though she be longer, yet she hath less danger.

I confess that Sybbefause Scourings which are stufte with poysonous ingredients, cannot chuse but bring forth infirmity: but wholesome Scourings, that are composed of beneficial and nourishing Simples, neither occasion sickness, nor any manner of infirmity, but bring away greafe and all foulness, in that kindly and abundant sort, that one week shall effect more than two months of dilatory and doubtful forbearance.

I call it dilatory and doubtful, because no Man (in this lingring course) can certainly tell which way the greafe and other foulness will avoid, as whether into his ordour (which is the safest) into sweat (which is hazardous) into his limbs (which is mischievous) or remain and putrifie in his body (which is mortally dangerous?) Since the issue of any, or all these fall out according to the strength and estate of the Horses body, and the diligence of the Feeder: And if either the one fail in power, or the other in care, farewell Horse for that year.

All this Envy cannot chuse but confess; only they have one broken Crutch to support them, which is, They know no Scouring, therefore they will allow of no Scouring.

Against Barbarism I will not dispute, only I appeal to Art or Discretion, whether Purgation or Sufferance, when Nature is offended, be the better doers.

But

But they reply, by a figure called Absurdity, That whatsoever is given to any Horse more than his natural food, and which he will naturally, and of his own accord with all willingness receive, is both improper and unwholesome; and therefore he ought not to be forced with any thing against his appetite.

This I have heard them say, and to this I thus answer;

The natural food of Man is bread only, all other things (according to the Philosopher) are superfluous, and so to be avoided. At this Argument both Humanity and Divinity laughs: For, other helps, as Physick, divers meats, and divers means ordained for both, even by the power of the Almighty himself, tells the contemners hereof, how grossly they err in this foolish opinion.

Nay, allow them a little shadow of truth, that things most natural, are most beneficial, when it must follow, that Grass, or Hay (which is but withered Grass) is most natural, and so most beneficial. Now Grass is Physical, for in it is contained all manner of Simples, of all manner of mixtures, as hot, cold, moist, dry; of all qualities, all quantities. So that whatsoever I give (which is good) is but that which he hath formerly gathered out of his own nature, only with this difference, that what he gathereth is in a confused manner, clapping

clapping contraries together so abundantly, that we are not able to judge where the predominant quality lyeth; and that which we compound, is so governed by art and reason, that we know how it should work, and we expect the event, if it be not crost by some greater disafter.

But will they bind themselves to keep the Running-Horse only with Grasse, or Hay? They know then, the end of their labour will be loss. Nay, they will allow Corn, nay, divers Corns, some nourishing and loosing, as Oats and Rye; Some astringent and binding, as Beans; and some fattening, and breeding both blood and spirit, as Wheat: Nay, they will allow Bread, nay, Bread of divers compositions, and divers mixtures, some before heat, and some after, some quick of discretion and some slow. And if this be not as Physical as any Scouring a good Horseman gives, I repent me to him that shall read the Bills.

Nay, these contemners of Scourings will allow an Egg, nay, an Egg mixt with other Ingredients: And for Butter and Garlick, they will use it, though it be never so fulsom: the reason is, because their knowledge can arise to no higher a stair in Physick; and authorized Ignorance will ever wage battel with the best Understanding: like foolish Gallants on St. *Georges* day, who neither
having

having ability to buy, nor credit to borrow a Gold-chain, scorn at them that wear them; or *Martin Marprelate*, that not having Learning worthy of a Deacon, found no felicity but in railing at divine Fathers.

There are another sort of Feeders, which in a contrary extream run beyond these into mischief; and those are they which over-scur their Horses, and are never at peace but when they are giving Potions (which they call Scourings) sometimes without cause, alwayes without order, bringing upon an Horse such intolerable weakness, that he is not able to perform any violent labour.

From this too little, and too much, I would have our Feeder to gather a mean; that is, First to look that his Simples be wholesome: then to the occasion, that he be sure there is foulness: and lastly, to the estate of body, that he may rather augment than decrease vigor.

So shall his work be prosperous, and his actions without controulment.

To conclude, Two months I allow for preparation, and according to that time have laid my Directions. Mine humble suit is, out of a sincere opinion to Truth and Justice, so to allow or disallow, to refrain or imitate.

The

The first ordering of the Running-Horse, according to the several estates of their Bodies.

This office of the Feeder, albeit in general it belongs to all Horsemen, yet in particular it is most appropriate to the Feeder of the Running-Horse; because other general Horses have a general way of feeding, these an artificial and prescript form, full of curiosity and circumspection, from which, whosoever errs, he shall sooner bring his Horse to destruction, than perfection.

Therefore when an Horse is matcht, or to be matcht for a Running Course, you are principally to regard the estate of body in which the Horse is at the time of his matching. And this estate of body, I divide into three several kinds.

The first is, If he be very fat, foul, and either taken from grafs or soil.

The second, If he be extream lean and poor, either through over-riding, disorder, or other infirmity.

And the third, If he be in good and well-liking estate, having had good usage and moderate exercise.

If he be in the first estate of body, you shall take longer time for his feed, as two months

months at the least : for he will ask much labour in Airing, great carefulness in Heating, art and discretion in Scouring, and rather a strict than liberal hand in Feeding.

If he be in the second estate of body (which is poor) then you shall also take a longer time, as you may, yet you need not so much as in the former; both because Grass cannot hurt much, and Exercise may go hand in hand with Feeding.

This Horse would have moderate and cheerful airing, as not before or after Sun, rather to increase appetite than harden flesh; gentle heats, more to preserve wind than melt glut; and a bountiful hand (but far from cloying) in feeding.

If he be in the third estate of body (which is a mean betwixt the other extremes,) then a month or six weeks, or a fortnight, or less, may be time sufficient to diet him for his March. Now as this estate participates with both the former, so it would borrow from them a share in all their orderings; that is, to be neither too early, nor too late in airings; labourious, but not painful in hearings, nourishing in scouring, and constant in a moderate way of feeding.

Now as you regard these general estates of bodies, so you must have an eye to certain particular estates of bodies: As if an Horse be

fat

fat and foul, yet of a free and spending nature, apt quickly to consume and lose his flesh; this Horse must not have so strict an hand, neither can he endure so violent exercise as he that is of an hard and kettry disposition, and will feed and be fat upon all meats and all exercises.

Again, If your Horse be in extreame poverty, through disorder or misusage, yet is by nature very hard, and apt both soon to recover his flesh, and long to hold it: Then over this Horse you shall by no means hold so liberal an hand, nor forbear that exercise which is of a tender nature, a weak stomach, and a free spirit; provided alwayes, you have regard to his limbs, and the imperfection of lameness.

Thus you see how to look into the estates of Horses bodies, and what time to take for your matchings, I will now descend to their severall orderings and dyeting. And because in the fat Horse is contained both the lean Horse, and Horse in reasonable estate of body; I will in him shew all the secrets and observations which are to be employed in the feeding of all three, without any omission or reservation whatsoever: For truth, Sir, I have vowed unto you, and truth I will present you.

The

*The first Fortnights feeding of an Horse for
Match, that is fat, foul, and either new-
ly taken from Grass or Soil.*

If you Match an Horse that is fat and foul, either by running at Grass, or standing at Soil, or any other means of rest, or too high feeding; you shall (after his body is emptied, and the Grass avoided, which will be three or four dayes) for the first fortnight at the least, rise early in the morning before day, or at the spring of day, according to the time of the year; and having put on his bridle washt in Beer, and tyed him up to the Rack, take away his dung and other foulness of the stable; then dress him well, as in the Office of the Keeper.

When that work is finished, take a fair large Body-cloth of thick Houswifes Kerseie (if it be in Winter) or of Cotton or other light stuff (if it be in Summer) and fold it round about the Horses body; then clap on the saddle, and gird the foremost Gyrth pretty strait, but the other somewhat slack, and wisp it on each side his heart, that both the Gyrtts may be of equal straitness.

Then put before his breast a Breast-cloth, suitable to the Body-cloth, and let it cover both his shoulders; Then take a little Beer

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into

into your mouth, and squirt it into the Horses mouth, and so draw him out of the Stable, and take his back, leaving a Groom behind you to trim up your Stable, to carry out dung and to toss up the litter : For, you are to understand that the Horse must stand upon good store of fresh litter continually both night and day, and it should be ever Wheat-straw (if possible) or Oat-straw (if forced by necessity.) As for Barley-straw, and Rye-straw, they are unwholesom and dangerous ; the one doth heart-burn, the other causeth scouring.

When you are mounted, rack the Horse foot-pace (for you must neither Amble nor Trot, for they hurt speed) at least a mile or two, or more upon smooth and sound ground, and (as near as you can) to the steepest hills you can find ; there Gallop him gently up those hills, and rack or walk him softly down, that he may cool as much one way, as he warmeth another. And when you have thus exercised him a pretty space, and seeing the Sun beginning to rise, or else risen, rack down either to some fresh River, or clear Pond that is fed by a sweet Spring, and there let him drink at his pleasure. After he hath drunk, bring him calmly out of the water, and so ride him a little space with all gentleness, and not according to the use of ignorant Grooms,

Grooms, rush him instantly into a Gallop, for that brings with it two mischiefs, either it teaches the Horse to run away with you as soon as he is watered, or else refuse to drink, fearing the violence of his exercise which follows upon it.

When you have used him a little calmly, then put him into a gentle Gallop, and exercise him moderately, as you did before; then walk him a little space, after offer him more water: If he drink, then Gallop him again (after calm usage;) if he refuse, then Gallop him to occasion thirst. And thus always give him exercise both before and after water.

When he hath drank sufficient, then bring him home gently, without a wet hair, or any sweat about him.

When you come to the Stable-door, before which your Groom shall ever throw all his foul litter continually; there alight, and by whistling and stretching the Horse upon the straw, and raising up the straw under him, see if you can make him piss, which if at first he do not, yet with a little custom he will soon be brought unto it, and it is an wholesome action both for the Horses health, and the sweet keeping of the Stable.

This done, bring him into his stall, and tye him up to the Rack, then with whips rub his legs well, then unloose his breast-cloth, and

rub his head, neck and breast with a dry cloth; then take off the saddle and hang it by, then his Body-cloth, and rub over all his body and limbs, especially his back where the saddle stood. Then cloath him up, first with a linnen sheet, then over it a good strong Housing-cloth, and above it his woollen Body-cloth, which in the Winter is not amiss to have lin'd with some thin Cotton or Plad, or other woollen stuff; but in the Summer, the Kerseie it self is sufficient.

When these are girt about him, stop his Circingle round with reasonable big soft wisps and thick, for with them he will lye at best ease, because the small hard wisps are ever hurtful.

After he is cloathed, pick his feet and stop them up with Cow-dung; and then throw into his Rack a little bundle of Hay, so much as an half-penny bottel in a dear Inn, well chosen, dusted, and hard bound together. And this he shall tear out, as he standeth on the bridle.

When he hath stood on his bridle an hour and better, you then shall come to him, and first draw his bridle, rub his head, face, and nape of the neck with a clean rubber made of new rough hempen cloth; for this is excellent for the head, and dissolveth all gross and filthy humours: Then with a clean cloth make the Manger as clean as may be; and if

he

he have scattered any Hay, take it up and throw it back into the Rack. Then you shall take a quart of sweet, dry, old, and clean drest Oats, of which the heaviest are the best, as those which we call Poland-oats, or Cut-oats : For those which are unsweet, breed infirmity ; those which are moist, cause swelling in the body ; those which are new, breed worms ; and they which are half drest, deceive the stomach, and bring the Horse to ruine.

As for the black Oats, though they are tolerable in the time of necessity, yet they make foul dung, and hinder a mans knowledge in the state of the Horses body.

This quart of Oats you shall ree and dress wondrous clean in a Sieve, that is much less than a Riddle, and though bigger than a Reeing-five, such an one as will let a light Oat go through, but keep a full one from scattering, and so give them to the Horse ; and if he eat them with a good stomach, you may give him another, and so let him rest till it be eleven a clock.

Then come to the Stable, and having rubbed his head, neck and face, dress him another quart of Oats (as before) and give it the Horse ; then closing up the windows and lights, leave him till one a clock.

And here you are to understand, That the darker you keep your Horse in your absence,

the better it is, and it will occasion him to lye down and take his rest, when otherwise he would not; and therefore we commonly use to arm the Stables wherein these Horses stand round about a Loft, and over the Rack with Canvas, both for darkness, warmth, and that no filth may come near the Horse.

At one a clock come to him, and dress him another quart of Oats, and give them as before, after you have rubbed his head and nape of the neck: then putting away his dung, and making the stable clean, give him a knob of Hay, and so leave him till evening.

At evening come to the Stable, and having made all things clean, bridle as in the morning; take off his cloaths, and dress him as before.

Then cloath, saddle, bring him forth, urge him to empty, mount, rack him abroad, but not to the Hills, if you can find any other plain ground, as meadow, pasture, or the like, especially if it lye along by a River; but in this case you can be no chuser, but must take the most convenient, making a vertue of necessity. Here air him in all points in the evening, as you did in the morning. Galloping both before and after water: Then Rack him up and down, and in your racking observe even from the Stable-door, in all your passages,

passages, especially when you would have him to empty, to let him smell upon every old and new dung you meet withal, for this will clear his body, and repair his stomach.

When you have Watered, and spent the evening in Airing till within night, (for nothing is more wholesom. or sooner consumeth foulness, than early and late Airings:) You shall then rack him home to the Stable-door; there alight, and do as you did in the morning, both within doors and without, and so leave him on his bridle for an hour and more. Then come again, and as you did in the forenoon, so do now; Rub well, draw his bridle, cleanse the Manger, put up his scattered Hay, sift him a quart of Oats, and so let him rest till nine a clock at night.

At nine a clock come to him, and first rub down his legs with Wisps, or with a clean cloath, or with your bare hands (which is best of all) then with a clean cloath rub his face, head, chaps, nape of the neck, and fore-parts; then turn up his cloaths, and rub over all his hinder-parts; then put down his cloaths, and sift him a quart of Oats, and give them him, then put into his Rack a little bundle of Hay, toss up his litter, and make his bed soft, and so leave him till the next morning.

The next morning (as the morning before) come to the Horse early, and do every

thing without the omission of any one particle, as hath been formerly declared; and thus you shall keep your Horse constantly for the first fortnight, in which, by this double daily exercise, you shall so harden his flesh, and consume his foulness, that the next fortnight (if you be a temperate man) you may adventure to give him some heats.

But here give me leave to digress a little for satisfaction sake, and to answer objections that may be urged touching the quantity of Provender which I prescribe, being but a quart at a meal, seeing there be many Horses that will eat a much larger proportion; and to scant them to this little, were to starve, or at the best to breed weakness.

But if it be understood rightly, I set not this down as an infallible Rule, but a President that may be imitated, yet altered at pleasure: For I have left you this Caveat, That if your Horse eat this with a good stomach, you may give him another, leaving the proportion to the Feeders discretion; because it is impossible in Writing, to make one measure for all stomachs. And for mine own part, I chose the quart, as the most indifferent proportion; for albeit many Horses will eat more, yet I have known some that would hardly eat this: and believe it, what Horse soever shall but eat this, and in this manner,

manner, he shall neither starve, lose strength, nor be much hungry.

So now again to the giving of Heats.

Four considerations in giving of Heats.

Now touching Heats, you are to take to your self these four Considerations.

1. That two Heats in the week is a sufficient proportion for any Horse of what condition or state of body soever.

2. That one Heat should ever be given on that day in the week, on which he is to run his Match; as thus: Your Match-day is a Monday, your Heating-dayes are then Mondayes and Fridayes; and the Monday to be ever the sharper heat, both because it is the day of his Match, and there is three dayes rest betwixt it and the other heat. If the day be Tuesday, then the heating dayes are Tuesdayes and Saturdayes; if Wednesdayes, then Wednesdayes and Saturdayes, by reason of the Lords day; if on Thursdayes, then Thursdayes and Mondayes, and so of the rest.

3. You shall give no Heat (except in case of extremity) in Rain or foul Weather, but rather to defer hours and change times; for it is unwholsom and dangerous. And therefore in case of shows and incertain weather, you shall have for the Horse a lined hood, with

with lined ears, and the nape of the neck lined to keep out rain, for nothing is more dangerous than cold Wet falling into the Ears, and upon the nape of the Neck and Fillers.

4. Lastly, observe to give the Heats (the weather being seasonable) as early in the morning as you can; that is, by the spring of day; but by no means in the dark; for it is to the Horse both unwholesome and unpleasant; to the Man a great testimony of folly: and to both an act of danger and precipitation.

The second fortnights Feeding.

Now to come to the second fortnights Feeding: touching your first approaching to the Stable, and all other by-respects, and cleansing and the like, you shall do all things as in the first fortnight; only before you put on his Bridle, give him a quart of Oats which as soon as he hath eaten, bridle him up, and dress him, as before shewed; then cloath, saddle, air, water, exercise, and bring him home, as before shewed; only you shall not put Hay into his rack to tear out, but let him eat it out of your hands, handful after handful, and so leave him on his bridle for an hour more; then come to him, and after rubbing

abbing, and other ceremonies, sift him a quart of Oats, and set them by: then take a loaf of bread, that is three dayes old, or thereabout, and made in this manner.

The first Bread.

Take three Pecks of clean Beans, and one peck of Wheat, mix them together and grind them; then boulit it through a reasonable fine Raunge, and knead it up with great store of Barm or Lightning, but with as little water as may be; labour it in the Trough painfully, knead it, break it, and after cover it warm, and lye and swell; then knead it over again, and mould it up into big loaves, like twelvenny houshold loaves, and so bake it well, and let it soak soundly; after they are drawn, turn the bottoms upward, and let them cool.

At three dayes old, or thereabout, you may give this Bread, but hardly sooner; for nothing is worse than new bread; but if necessity compel you that you must sooner give it, or that the bread be clammy or dank, so as the horse taketh distaste thereat, then cut the loaf in thin shivers, and lay it abroad in the Sieve to dry; then crumbling it small with his Oats, you may give it safely.

But to return to my purpose, when you have

have taken a loaf of this bread, chip it very well, then cut it into thin flyces, and put three or four thereof (small broken) into his Oats you had before sifted, and so give them to him.

About eleven a clock come to him, and by ceremonies give him the same quantity of Bread and Oats, and so leave him till afternoon.

At one a clock in the afternoon (if you intend not to give him a heat the next day) feed him with Bread and Oats, as you did in the forenoon; and so consequently every meal following for that day, observing every action and motion, as before shewed.

But if you intend the next day to give him an heat (to which I now bend mine aim) you shall then only give him a quart of Oats clear sifted, but no Hay, and so let him rest till evening.

At four a clock, before you put on his bridle, give him a quart of clean-sifted Oats, and when they are eaten, bridle him up, dress, cloath, saddle, air, water, exercise, bring home and order, as before shewed; only give no Hay at all.

After he hath stood an hour on his bridle, give him a quart of Oats; and when they are eaten, put on his Head a sweet Muzzel, and so let him rest till nine a clock at night.

Now

Now as touching the use of this Muzzel, and which is the best, you shall understand, That as they are most useful, being good and rightly made, so they are dangerous and hurtful, being abused and falsly made. The true use of them, is, To keep the Horse from eating up his litter, from gnawing upon boards and mud-walls, and indeed to keep him from eating any thing but what he receiveth from your own hands.

These Muzzels are sometimes made of Leather, and stampt full of holes, or else close, but they are unsavoury and unwholsom: for if it be allomed Leather, the allom is offensive; if it be tann'd or liquor'd Leather, the Tanners souze and grease are fully as unpleasant. Besides, they are too close, and too hot, and both make an Horse sick, and cause him to retain his dung longer in his body than otherwise he would do.

The best Summer Muzzel, (and indeed the best generally at all times) is the Ner-muzzel, made of strong Pack-thread, and knit exceeding thick and close in the bottom, and enlarged wider and wider upward, to the middle of the Horses head; then bound about the top with Tape, and on the near-side loop, and on the far-side a long string to fasten it to the Horses head.

The best Winter Muzzel (and indeed tolerable

tolerable at any time) is that which is made of double Canvas, with a round bottom, and a square lattice window of small tape before both his nostrils, down to the very bottom of the muzzle, and upward more than an handful ; this must also have a loop and a string to fasten it about the Horses head.

At nine a clock at night come to the Stable, and after by-ceremonies done, give him a quart of Oats clean sifted ; and when they are eaten, put on his Muzzel, toss up his litter, and so leave him.

The next day early in the morning, come to the Horse (if he be standing, but if he be laid, do not disturbe him) and whilst he is lying, take a quart of Oats clean sifted, and rubbed between your hands, and wash them in strong Ale, and give them to the Horse ; when they are eaten, bridle him up, and dress him, then Saddle as before shewed ; being ready to depart, give him a new-laid Egg or two, then wash his mouth after it with a little Beer or Ale, and so lead away : At the door urge him to empty ; then mount and rack him gently to the Course, ever and anon making him smell another Horses dung.

When you are come within a mile (or thereabout) of the starting-Post, alight and take off his Body-cloth, and Breast-cloth, and girt on the Saddle again : then sending

away

away your Groom both with those Cloaths and other dry Cloaths to rub with, let him stay at the last end of the course till you come : then (your self) rack your Horse gently up to the starting Post, and beyond, making him smell to that Post, as you should also do to the first Post, (which we call the weighting Post) that he may take notice of the beginning and ending of the Course. There start your Horse roundly and sharply, at near a three quarters speed ; and according to his strength of body, ability of wind, and cheerfulness of spirit, run him the whole Course through. But by no means do any thing in extremity, or above his wind ; but when you find him a little yield, then give him a little ease, so that all he doth may be done with pleasure, and not with anguish : For this manner of training will make him take delight in his labour, and so increase it : The contrary will breed discomfort, and make exercise irksome.

Also during the time you thus course him, you shall note upon what ground he runneth best, and whether up the hill, or down the hill ; whether on the smooth or on the rough, on the wet or on the dry, or on the level, or the earth somewhat rising : and according as you find his nature, so maintain him for your own advantage.

When

When you have finished the Heats, and a little slightly gallopt him up and down to rate his wind and cheer his spirits, you shall then (the Groom being ready) ride into some warm place, as under the covert of some hedge, wall, bushes or trees, into some hollow dry ditch, pit, or other defence from the air, and there alight, and first with a glassing-knife, or (as some call it) a scraping-knife, made either of some broken Sword-blade, some old broken Sythe, or for want of them, of a thin piece of old hard Oaken-wood, and fashioned like a long broad knife, with a sharp edge, and using this with both your hands, scrape off all the sweat from your Horse in every part (buttocks excepted) till you find there will no more arise; ever and anon moving him up and down: Then with dry cloaths rub him all over painfully (buttocks excepted); then take off the Saddle, and having glassed his back, and rub'd it near dry, put on his Body-cloth, and Breast-cloth, and set on the Saddle again, and girt it; then mount and Gallop him gently forth again a little pace, ever and anon rubbing his head, neck, and body as you fit, then walk him about the fields to cool him; and when you find he drieth apace, then rack him homeward, sometimes

racking

racking, and sometimes galloping; but by no means bring him to the Stable, till you find him thoroughly dry.

When you are come to the Stable-door; intice him to empty; then set him up and tye him to the Rack, and (as having prepared it before) give him this Scouring, made in this manner.

The first Scouring.

Take a Pint of the Syrup of Roses, or a Pint of strong Honied-water, and dissolve into it of Cassia, Agarick and Myrrh, of each *half an ounce*; and symbolize and jumble them together in a viol-glass.

Then being muld, and made warm at the fire, and the Horse newly come from his Heat, (as before shewed) give him this Scouring, for it is a strong one, and avoideth all manner of molten grease and foulness.

Ordering of the Horse after his Scouring.

As soon as you have given him this Scouring, presently let your Groom fall to rubbing his legs, and do your self take off his Saddle and cloaths; and finding his body dry, run lightly over it with your Curry-comb, after
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with the French Brush; and lastly, rub him all over with dry cloaths, especially his head, nape of the neck, and about his heart; then cloath him up warm as at other times, and wisp him round with great warm wisps; and if you throw over him a loose blanket, it will not be amiss in these extraordinary times, especially if the season be cold.

The Horse must fast full two hours after the receipt of the Scouring; but yet depart not out of the Stable, but keep the Horse walking; for rest hinders the Medicine, and motion makes it work.

After he hath fasted on the bridle two hours, then you shall take a handful of Wheat ears, being your Pollard Wheat, that is, without Awns; and coming to the Horse, first handle the roots of his ears, then put your hands under his cloaths against his heart upon his flanks, and on the neather part of his things; and if he find any new sweat arise, or any coldness of sweat, or if you see his body beat, or his breath move fast then forbear to give him any thing, for it shews there is much foulness stirred up, on which the Medicine working with a conquering quality, the Horse is brought to a little sickness; therefore in this case you shall only take off his Bridle, put on his Coller, to

up his litter, and absent your self (having made the Stable dark and still) for other two hours, which is the utmost end of that sickness. But if you find no such offence, then give him the ears of Wheat, by three or four together ; and if he eat this handful, give him another.

After he hath eaten the Wheat-ears, give him a little knob of Hay clean dusted, and draw his bridle, rubbing his head well.

An hour after his Hay, sift him a quart of Oats, and to them put two or three handfuls of Spelted Beans, which you shall cause to be seed and drest so clean as is possible from all manner of hulls, dust and filth whatsoever, so as there may be nothing but the clean Beans; to these Oats and Beans you shall break two or three slices of Bread clean chipt, and give all to the Horse, and so leave him for two or three hours.

At evening (before you dress him) give him the like quantity of oats, beans, and bread ; and when he hath eaten them, bridle him, dress and cloath him ; for you shall neither saddel or air him forth, because this evening after his Heat, the Horse being foul, and the labouring yet working in his body, he may not receive any cold water at all.

After he is drest, and hath stood two hours on his bridle, then take three Pints of

clean sifted Oats, and wash them in strong Ale, and give them to the Horſe ; for this will inwardly cool him, as if he had drunk water.

After he hath eaten his waſht meat, and reſted upon it a little ſpace, you ſhall at his feeding times, (which hath been ſpoken of before) with Oats and ſpelt Beans, or Oats and Bread, or all together, or each ſeveral and ſimply of it ſelf, according to the appetite and liking of the Horſe ; feed him that night in a plentiful manner, and leave a knob of Hay in his Rack when ye go to bed.

The next day very early, fiſt feed, then drefſ, cloath, ſaddle, air, water, and bring home, as at other times ; only have a more careful eye to his emptying, and ſee how his greaſe and foulneſs waſteth.

At his feeding times, feed as was laſt ſhewed you, only but little Hay ; and keep your Heating-days, and the preparation the day before, as was before ſhewed, without omiſſion or addition.

Thus you ſhall ſpend the ſecond fortnight, in which your Horſe having received four Heats, Horſman-like given him, and four Scourings, there is no doubt but his body will be drawn inwardly clean ; you ſhall then the third fortnight, order him according to the Rules following.

The

The third fortnights Feeding.

The third fortnight you shall make his Bread finer than it was formerly, as thus.

The second Bread.

You shall take two Pecks of clean Beans, and two Pecks of fine Wheat, grind them on the black-stones, seirse them through a fine Raunge, and knead it up with Barm, and great store of Lightning, working it in all points, and baking it in the same sort as was shewed you in the former Bread.

With this Bread, having the crust cut clean away, and being old, as before shewed, with spelt Beans and clean sifted Oats, feed your Horse this fortnight as you did the former, observe his dressings, airings, feedings, heatings, and preparations, as in the former fortnight; only with these differences.

First, you shall not give your Heats so violently as before, but with a little more pleasure; as thus.

If the first Heat have violence, the second shall have ease, and indeed none to over-strain him, or to make his body sore.

Next, you shall not after his Heates, give him any more of the former Scouring; but

instead thereof, instantly upon the end of the Heat, after the Horse is a little cooled and cloathed up; and in the same place where you rub him, give him a Ball, as big as an Hens egg, of that Confection which is mentioned in the office of the Farrier, and goeth by this title.

* The true manner of making those Cordial Balls, which cure any violent cold or glanders, which, &c.

The Fourth and last fortnights feeding.

The fourth and last fortnight you shall make your bread much finer than either of the former.

The last and best Bread.

Take three Pecks of fine Wheat, and one Peck of Beans, grind them on the black-stones, and boulit them through the finest boulder you can get: Then knead it up with sweet Ale, Barm, and new strong Ale, and the Barm beaten together, and the whites of twenty or thirty eggs; but in any wise no water at all; but instead thereof some small quantity of new milk, then work it up, bake it, and order it as the former.

With this bread, having the crust cut clean away, and with Oats well sunned, beaten, and rubbed between your hands, then new win-

nowed,

nowed, sifted and drest, with the purest spelt Beans, and some fine Chiltern Wheat, with any simple or any compound: feed your Horse at his feeding times, as in the fortnight last mentioned.

You shall keep your heating dayes the first week or fortnight, as you did the former fortnight, but the last week you shall forbear one heat, and not give any five dayes before the Match-day, only you shall give him strong and long airings.

You shall not need this fortnight, to give him any scouring at all.

If this fortnight, morning and evening, you burn the best Frankinsence in your Stable, you shall find it exceeding wholsom for the Horse, and he will take wonderful delight therein.

In this fortnight, when you give the Horse any washt meat, wash it in the whites of eggs, or Muscadine, for this is more wholsom and less purisie.

This fortnight give the Horse no Hay, but what he taketh out of your hand after his heats, and that in little quantity, and clear dusted.

The last week of this fortnight, if the Horse be a foul feeder, you must use the Muzzel continually; but if he be a clean feeder, then three dayes before the Match is sufficient.

The morning, the day before you match, feed well both before and after airing, and water as at other times ; before noon, and after noon scant his portion of meat a little ; before and after evening airing, feed as at noon, and water as at other times ; but be sure to come home before Sun-set.

Late at night feed as you did in the evening.

Now I do not set you down what meat to feed withal, because you must be ruled according to the Horses stomach, and what best he liketh, of that give him a pretty pittance, whether simple or compounded : only as neer as you can, forbear Bread and Beans.

This day you shall coule your Horse, shooe him, and do all extraordinary things of ornament about him, provided there be nothing to give offence or hinder him in feeding, resting, emptying, or any other natural or beneficial action ; For I have heard some Horsmen say, That when they had shod their Horses with light Shooes, and none other actions of Ornament about them the night before the course ; that their Horses have taken such special notice thereof, that they have refused both to eat, lye down, or empty : But you must understand, that those Horses must be old, and long experienced in this exercise, or otherwise find

find distast at these actions ; as uneasiness in Shooes, heat and coldness in the Muzzel, disorderly platting or folding tayls, and the like, or they cannot reach these subtile apprehensions.

For mine own part, touching the nice and strait plaiting up of Horses tayls in the manner of Sakers or Docks, with Tape or Ribbon, which is now in general use, howsoever the ornament may appear great to the eye, yet I do not much affect it ; because I know, if an ignorant hand have the workmanship thereof, he may many wayes give offence to the Horse, and in avoiding cumberfomness, breed a great deal more cumber : therefore I wish every one, rather to pass by curiosity (which they call necessary ornament) than by these false Graces, to do injury to the Horse. Now for the necessary and indifferent things which are to be done, I had rather have them finished the day before, than on the morning of the course, because I would have the Horse that morning to find neither trouble nor vexation.

The next morning (which is the Match day) come to the Horse very early, take off his Muzzel, rub his head well, right his cloaths, and give them ease by unwisping, and using the plain Circingle ; then give him a pretty quantity of Oats washt in Muscadine,

dine, or the whites of eggs; or if he refuse them, try him with fine drest Oats mixt with Wheat, or Oats simple; when he hath eaten them, if he be an evil and slow emptier, walk him abroad, and in the places where he used to empty, there intice him to empty; which as soon as he hath done, bring him home, and let him rest till you have warning to make ready.

But if he be a good and free emptier, then stir him not, but let him lie quiet.

When you have warning to make ready, come to the Horse, and having washt his Snaffle with Muskadine, take off the Muzzel, and Bridle him up; but before you Bridle, if you think him too empty, give him three or four mouthfuls of the washed meat last spoken of, then bridle up and dress him; after pitch the Saddle and Gyrths with Cordwainers Wax, set it on and gird it gently, so as he may have a feeling, but no straitness: then lay a clean sheet over the Saddle, over it his ordinary cloaths, then his Body-cloth and Breast-cloth, and wisp him round with soft wisps; then if you have a Counter-pain, or Cloth of State for bravery sake, let it be fastened above all. Being now ready to draw out, give him half a pint of Muskadine, and so lead away.

In all your leadings upon the course, use
gentle

gentle and calm motions, suffering the Horse to smell on every dung. And in especial places of advantage, as where you find rushes, long grafs lying, heath or the like; walk him in, and intice him to piss. But if you find no such help, then in especial places on the course, and chiefly towards the latter end; and (having used the same means before) break some of the wisps under him, and intice him to piss.

Also in your leading, if any white or thick foam or froth rise about the Horses mouth, with a clean hand-kerchief wipe it away; and carrying a Bottle of clean Water about you, wash his mouth now and then therewith.

When you come to the place of strait, before you uncloath, rub or chafe his legs with hard wisps; then pick his feet, uncloath, wash his mouth with Water, mount his Rider, start fair, and leave the rest to God's good will and pleasure.

Certain necessary Observations and Advantages for every Feeder to observe in sundry Accidents.

There is no unreasonable Creature of Pleasure, subject to so many disastrous chances of Fortune, as the Horse; and especially the Run-

Running Horse, both by reason of the multiplicity of diseases belonging unto them, as also the violence of their exercise, and the nice tenderness of their keeping: and therefore it behoveth every Feeder, to be armed with such Observations as may discern mischiefs, and those helps which may amend them when they happen.

Of Meat and Drink.

The first observation therefore that I would arm our Feeder withal, is the true distribution of meat and drink.

Let him then observe, 'if there be any meat or drink, or other nourishment which he knoweth to be good for the Horse, yet he refuseth to eat it: in this case he shall not violently thrust it upon him, or by force cram him therewith; but by gentle degrees and cunning inticements, and by process of time, win him thereunto, tempting him when he is most hungry or most dry; and if he get but a bit at a time, it will soon increase to a greater quantity, and ever let him have less than he desireth; and that he may the sooner be brought unto it, mix the meat he loveth best, with that he loveth worst, till both be made alike familiar, and so shall the Horse be stranger to nothing that is good or wholesome.

Obfer-

Observation for Lameness.

Our Feeder must observe, if his Horse be subject to lameness or stiffness, to surbait or tenderness of feet ; then to give him his heats upon smooth Carpet earth, and to forbear strong ground, hard high-ways, cross ruts and furrows, til extremity compel him.

Observation from the estate of the Body.

Our Feeder must observe, that the strongest estate of body (which I account the highest and fullest of flesh, so it be good, hard, and without inward foulness) to be the best and ablest for the performance of these wagers ; yet he must herein take two considerations : the one the shape of the Horses body, the other his inclination and manner of feeding.

For the shape of body, There be some Horses that are round, plump, and close knit together, so that they will appear fat and well shaped, when they are lean and in poverty. Others are raw-boned, slender, and loose knit together, and will appear lean and deformed when they are fat, foul, and full of gross humours.

So

So likewise for their inclinations, some Horses (at the first) will feed outwardly, and carry a thick rib, when they are inwardly clean as may be. There be others (as the later) that will appear lean to the eye, and shew nothing but skin and bone, when they are inwardly only grease. In this case the Feeder hath two helps to advantage his knowledge, the one outward, the other inward.

The outward help is the outward handling and feeling of the Horses body, generally over all his ribs, but particularly upon his short and hindmost-ribs.

If his flesh generally handle soft and loose, and the fingers sink into it as into Down, then is the Horse foul without all question; but if generally it be hard and firm, only upon the hindmost-rib is softness, then he hath grease and foul matter within him, which must be avoided, how lean or poor soever he appear in outward speculation.

The inward help is only sharp exercise and strong scouring: the first will dissolve the foulness, the latter will bring it away.

Observation from the privy parts.

Our Feeder must observe his Horses stones, for if they hang down side, or low from his body, then is the Horse out of lust and heart, and

and is either sick of greafe, or other foul humours ; but if they lie close couched up, and hid in a small room, then is he healthful and in good plight.

Observation for the Limbs.

Our Feeder must observe ever, the night before he runs any Match, or sore Heat, to bathe his Horse legs well from the knees and Cambrels downwards, either with clarified Dogs-grease (which is the best), or Trotters-oyle (which is the next), or else the best Hogs-grease, which is sufficient, and to work it in with the labour of his hands, and not with fire : for what he gets not in the first night, will be got in the next morning ; and what is not got in the next morning, will be got in when he comes to uncloath at the end of the course : so that you shall need to use the Ointment but once ; but the Friscale or Rubbing as oft as you find opportunity.

Observation for Water.

Our Feeder shall observe, that albeit I give no direction for Watering the Horse after the Heats ; yet he may in any of the latter fortnights (finding his Horse clean, and his greafe consumed) somewhat late at night, as about

fix

fix a clock give him Water in reasonable quantity, being made luke-warm, and fasting an hour after it.

Also, if through the unseasonableness of the weather, you cannot water abroad, then you shall at your watering hours water in the house with warm water as aforesaid. Nor need you in this case heat all your water, but making a little very hot, put it into a greater, and so make all luke-warm. If you throw an handful of Wheat-meal, Bran, or Oat-meal finely powdered (but Oat-meal is best) into the water, it is very wholesome.

Observation for the Ground to run on.

Our Feeder shall observe, That if the Ground (whereon he is to run his Match) be dangerous, and apt for mischievous accidents, as Strains, Over-reaches, Sinew-bruises, and the like; that then he is not bound to give all his Heats thereon: but having made the Horse acquainted with the nature thereof, then either to take part of the Course, as a mile, two, or three, according to the goodness of the ground, and so to run his Horse forth and again (which we call turning Heats); provided alwayes, that he end his Heat at the weighing Post, and that he make not his Course less, but rather more in quantity than that

that he must run. But if for some special cases he like no part of the course, then he may many times (but not ever) give his Heat upon any other good ground, about any spacious and large field, where the Horse may lay down his body, and run at pleasure.

Observations from Sweat.

Our Feeder shall take especial regard in all his airings, heatings, and all manner of exercises whatsoever to the sweating of the Horse, and the occasions of his sweating; as if an Horse sweat upon little or no occasions, as walking a foot-pace, standing still in the stable, and the like, it is then apparent that the Horse is faint, foul fed, and wanteth exercise.

If upon good occasion, as strong heats, great labour and the like, he sweat, yet his sweat is white froth and like soap-suds, then is the Horse inwardly foul, and wanteth also exercise. But if the sweat be black, and as it were only water thrown upon him, without any frothiness, then is the Horse clean fed, in good lust and good case, and you may adventure riding without danger.

Observations from the Hair.

Our Feeder shall observe his Horse's Hair

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in general, but especially his neck, and those parts which are uncovered; and if they lye slick, smooth, and close, and hold the beauty of their natural colour, then is the Horse in good case; but if they be rough, or staring, or if they be discoloured, then is the Horse inwardly cold at the heart, and wanteth both cloaths and warm keeping.

Many other Observations there be, but these are most material, and I hope sufficient for any reasonable understanding.

THE

THE OFFICE OF THE KEEPER.

*How to keep any Horse for pleasure,
Hunting or Travel, &c.*

I would have our Keeper of these ordered
Horses, to rise early in the morning of
day, or before (according to the season of the
year) and to fitt the Horse the quantity of
three Pints of good, old, and dry Oats, and
put to them an handful or two of spelt Beans,
hulls and all, and so give them to the Horse.

Of Dressing and Watering.

After he hath eaten them, let him dress
him; that is to say, he shall first curry him all
over with the Iron-comb, from the head to
the tayl, from the top of the shoulder to the
knee, and from the top of his buttock to the
hinder cambrel; then dust him all over
with a clean dusting-cloth, or with an Horse

tayl made fast to an handle: then curry him all over with the French-brush, beginning with his forehead, temples and cheeks, so down his neck, shoulders and fore-legs, even to the setting on of his Hoofs, so alongst his sides and under his belly; And lastly, all about his buttocks and hinder-legs, even to the ground; then you shall go over again with your duster, then over all parts with your wet hands, and not leave (as neer as you can) one loose hair about him, nor one wet hair; for what your hands did wet, your hands must rub dry again: You shall also with your wet hands cleanse his sheath, his yard, his cods and his tuell; and indeed not leave any secret place uncleansed, as ears, nostrils, fore-bowels, and between his hinder-thighs: Then you shall take an Hair-cloth and with it rub him all over, but especially his head, face, eyes, cheeks, between his chaps, on the top of his fore-head, in the nape of the neck, down his legs, feetlocks, and about his pasterns. Lastly, you shall take a clean woollen-cloth, and with it rub him all over, beginning with his head and face, and so passing through all parts of his body and limbs before spoken of. Then take a wet Mane-cloth, and comb down his Mane and Tayl.

Then saddle him, and ride him out to water,

ter, warm him both before and after Water very moderately, and so bring him home dry without sweat; then cloath him up, after you have rubbed his head, body and legs, and let him stand on his bridle more than an hour.

Ordinary Keeping.

After he hath stood an hour, give him the former quantity of provender, and the same in kind.

After he hath eaten his provender, give him into his Rack a pretty bundle of Hay, and so let him rest till noon.

At noon give him the former quantity of provender, and the same in kind, and so let him rest till evening, only renewing his Hay if there be occasion.

At evening dress him as in the morning, then ride him forth to water, and do as you did in the morning.

When you come home, and have cloathed him up, let him stand on his bridle as before; then give him the former quantity of provender, so let him rest till nine a clock at night; at which time give him the former quantity of provender, and a pretty bundle of Hay, and so let him rest till the next morning.

Also observing ordinary keeping ever after your dressing, and at such times as you find best convenience, to bathe all his fore-legs from the knees and Cambrels down-ward with cold water, for it is wholsome, and both comforteth the sinews, and prevents scabs and swellings.

Keeping in Travel and Sport.

Thus you shall do concerning his ordinary keeping at home where the Horse hath rest, and that you may dispose of hours as you please: but if you be either in travel, in sport, or other occasion, so that you cannot observe these particular times; then you must divide the main and whole quantity of meat into fewer parts and greater quantities, and so give them at the best convenience, ever observing to give the least quantity before travel, as a third part before mounture, and the two other when you come to rest.

Nor would I have you to distract your mind with any doubt or amazement, because I prescribe you five several times of feeding in one day, as if it should either over-charge you, or over-feed your Horse: questionless there is no such matter when you look into the true proportion: for it cannot be denied,

That whosoever is worthy of a good Horse,

or

K E E P E R.

or good means to keep a good Horse, cannot allow him less than one Peck a day; nay, the Carrier, Carter, Poulter and Pack-Horse, will allow half a Peck at waterings; and this Allowance which I set down, comes to no more: for fifteen pints of Oats, and one pint of spelt Beans unheaped, makes two Gallons, and that is one Peck *Winchester* measure.

Now to give it at twice, it fills the stomach more, makes the digestion worse, and the appetite weak: whereas to give less, but more oft, the stomach is ever craving, the digestion alwayes ready, and the appetite never wanting, so that health (without disorder) can never be a stranger; therefore once again thus for ordinary keeping.

Of giving Heats, Hunting and Travel.

But if you intend to give an Heat, as to Hunt, Gallop, Travel, or the like; (which I would wish you to do once, twice, or thrice a week, according to the ability of your horse) then observe all your former observations, only the night before, give him little or no Hay at all.

In the morning, before his Heat very early, and before his dressing, give him three or four handfuls of clean sifted Oates, washt either in strong Beer or Ale. Then dress him,

saddle him, and give him his heat, he having first emptied himself well.

Ordering after Labour.

After his Heat, or end of Labour, rub him carefully, and bring him dry into the Stable; then after he is cloathed up, let him stand on his bridle at least two hours; then give him a little bundle of Hay to tear out upon his bridle, and an hour after feed him, as hath been before shewed; only with his first Oats give him an handful or better of Hemp-seed well dusted and mixt.

At night warm him a little water, and give it him luke-warm, with a little fine pounded Oatmeal thrown upon it; then an hour after give him his Provender, and a pretty bundle of Hay, and so let him rest till the next morning.

The next morning, do all things as in his ordinary keeping.

Some especial Precepts.

If he be a choice Horse, let him stand on litter both night and day, yet change oft and keep the planchers clean. If he be otherwise, then use your own discretion.

If you intend to Travel or Journey in the

the morning, then give no Hay, or but little the night before: If you journey in the afternoon, then give no Hay, or but little in the morning.

If your Horse sweat by exercise, take off the sweat (before you rub him) with the Glassing-knife, which is either a piece of a broken Sword-blade, or a piece of a broken Syth, for this will make a clean, a smooth, and a shining coat,

In Journeying, ride moderately the first hour or two, but after according to your occasions.

Water before you come to your Inn, if you can possibly; but if you cannot, then give warm water in the Inn, after the Horse hath fed, and is fully cooled within, and outwardly dried.

Trotters Oyl is an excellent Ointment, being applied very warm (and well chafed into your Horses limbs and sinews) to nimble and help stiffness and lameness. And Dogs grease is better, therefore never want one of them in your stable.

Of Washing and Walking.

Neither Wash your Horse, nor Walk your Horse; for the first indangereth foundring in the body or feet, and breedeth all surfeits;
the

the latter is the ground of all strong colds; which turn to glanders and rottenness; but if necessity compel you to either, as foul wayes, or long staves, then rather wash your Horses legs with pails of water at the Stable door, than to indanger him in either Pond or River. And for walking, rather sit on his back to keep his Spirits stirring, than to lead him in his hand, and with dull spirits to receive all manner of mischiefs.

This I think sufficient for the office of the Keeper.

THE

THE OFFICE OF THE AMBLER.

Observations in Ambling.

There is not any motion in an Horse more desired, more useful, nor indeed more hard to be attained unto by a right way, then the motion of Ambling; and yet (if we will believe the Protestations of the Professors) not any thing in all the Art of Horsemanship more easie, or more several wayes to be effected, every man conceiving to himself a several method, and all those methods held as infallible maxims, that can never fail in the accomplishment of the work.

Mens Opinions and Errors.

But they which know truths, know the errors in these opinions; for albeit, every man that hath hardly a smell of Horsemanship, can discourse of a way how to make an Horse Amble, yet when they come to the performance

formance of the motion, their failings are so great, and their errors so gross, that for mine own part, I never yet saw an exact Ambler. I confess some one man may make some one Horse Amble well, and perfectly; nay, more than one, peradventure many, and thereby assume to himself a name of Perfection; yet such a man have I seen err grossly, and spoil more than his labour was able to recompence.

But leaving mens errors, because they are past my reformation, I will only touch at some principal Observations, which in mine opinion I hold to be the easiest, the certaintest, and readiest for the effecting of this work; and withal glance at those absurdities which I have seen followed, though to little purpose, and less benefit.

Ambling by the plowed Field.

There is one commends the new plowed Lands, and affirms, That by toyling the Horse thereon in his foot-pace, there is no way so excellent for the making of him to Amble; but he forgets what weakness, nay, what lameness such disorderly toyl brings to a young Horse, nay, to any Horse; because the work cannot be done without weariness, and no weariness is wholesome.

Ambling

Ambling by the Gallop.

Another will teach his Horse to Amble from the Gallop, by sudden stopping, a more sudden choking him in the cheeks of the mouth, thrusting the Horse into such an amazedness betwixt his gallop and his trot, that losing both, he cannot chuse but find out Ambling.

But this man forgets not alone the error before spoken, (which is too great royl) but also spoys a good mouth (if the Horse had one), loses a good Rein (if there were any), and by over-reaching and clapping one foot against another, indangers upon every step an Hoof-breach, or Sinew-strain.

Ambling by Weights.

Another sayes there is nothing of such use for Ambling as Weights; and thereupon one loads his Horse with unmerciful Shooes of intolerable weight, and forgets how they make him enterfere, strike short with his hind-feet; and though his motion be true, yet is so slow that it is not worth his labour.

Another folds great Weights of Lead about his fetlock-pasterns, and forgets that they

they have all the mischiefs of the former, besides the indangering of incurable strains, the crushing of the cownet, and the breeding of ring-bones, crown-scabs, and quitter-bones.

Another loads his Horse upon the Fillet with Earth, Lead, or some other massie substance, and forgets the swaying of the Back, the over-straining of the Fillets, and a general disabling of all the hinder parts.

Ambling in hand, or not ridden.

Another struggles to make his Horse Amble in his hand before he mounts his back, by the help of some Wall, smooth Pale or Rail, and by chocking the Horse in the mouth with the bridle-hand, and correcting him with his rod on the hinder houghs, and under the belly when he treadeth false, and never remembers into what desperate frantickness it drives an Horse before he can make him understand his meaning, as plaguing, rearing, sprauling out his legs, and using a world of other antick postures, which once settled, are hardly ever after reclaimed: besides, when he hath spent all his labour, and done his utmost, as soon as he mounts his Horses back, the Horse is as far to seek of his Pace, as if he had never known such a motion.

Ambling.

Ambling by the help of Shooes.

Another finds out a new stratagem, and in despite of all opposition in the Horse, will make him Amble perfectly, and thereupon he makes him a pair of hinder Shooes with long spurs or plates before the Toes, and of such length, that if the Horse offer to trot, the hinder-foot beats the fore-foot before it.

But he forgets that the Shooes are made of Iron, and the Horses Legs of Flesh and Blood; neither doth he remember with what violence the hinder-foot follows the fore-foot, nor that every stroke it gives, can light upon any place but the back sinews, then which there is no part more tender, nor any wound that brings such incurable lameness.

Ambling by the help of fine Lists.

Another (out of quaintness more than strong reason) strives to make his Horse Amble, by taking of fine soft Lists, and folding them strait about the Cambrel, in that place where you garter an Horse for a fiftethrain, and then turn him to Grass for a fortnight or more, in which time (saith he) he will fall to a perfect Amble; (for it is true, he cannot

cannot trot but with pain) then taking away the lists, the work is finished.

But (under the correction of the Professors of this Foreign trick, for it is a *Spanish* practice) I must assure them, that if they gain their purpose, they must offend the members. If they hurt not the limbs, they lose their labour ; but however this is most assured, that the Amble thus gained, must be disgraceful, crambling and cringing in the hinder-parts, without comeliness, speed, or clear deliverance.

Ambling by the Hand only.

Another (and he calls himself the *Master Ambler of all Amblers*) affirms, There is no true way of making an Horse to Amble but by the Hand only ; and I am of his opinion, could the secret be found out, or could a man make a Horse do all that he imagined, and as he imagined ; but Horses are rebellious, and men are furious, and the least of either of these spoils the whole work ; and it is impossible for any man to fadge an Horse to a new motion utterly unknown, against which he will not resist with his uttermost powers. Besides, to do this action with the Hand only, it must only be done from the Horses mouth, and that mouth must of necessity be

away altered from his first manner of riding; for to use all one hand, must preserve all one motion; and then where is Ambling which was not known at the first backing? Again, we strive at the first backing of an Horse, to bring his mouth to all sweetness, his Rein to all stateliness, and the general carriage of his body to all comeliness. Now in this course of Ambling by the hand only, the mouth must be changed from the chaps to the weeks of the mouth, which is from sweetness to harshness: his Rein must be brought from constancy to inconstancy: for the eyes that did look upward, the Nose and muzzle which was couched inward, must be turned outward, and the general comeliness of the bodies carriage, must be brought to disorder and false treading, or else he shall never accomplish the true Art of Ambling by the hand only.

Ambling by the Tramel.

There is another, (I will not call him the best, because his error may be as great as any) and he will make his Horse Amble by the help of the Tramel only, which I confess is nearest the best and most assured way, yet he hath many errors, as followeth.

Errors in the Tramel.

First, he loses himself in the want of knowledge, for the length of the Tramel, and either he makes it too long, (which gives no stroke) or too short (which gives a false stroke); the first makes an Horse hackel and shuffle his feet confusedly, the latter makes him roul and twitch up his hinder feet so suddenly, that by custome it brings him to a string-halt, from which he will hardly be recovered ever after.

Another loses himself and his labour by misplacing the Tramel; and out of a niceness, to seem more expert than he is, or out of fearfulness to prevent falling (to which the Tramel is subject) places them above the knee, and above the hinder-hough. But the Rule is neither good nor handsome; for if the Tramel be too long or loose, that it gives no offence to the Sinews, and other Ligaments about which they must necessarily be bound, when they are raised so high, then they can give no true stroke, neither can the fore-leg compel the hinder to follow it. And if they be so short or strait, that the fore-leg cannot step forward, but the hinder must go equal with it, then will it so press the main sinew of the hinder-leg, and the veins and flesh

fleshy part of the fore-thighs, that the Horse will not be able to go without halting before, and cringing and crambling his hinder-parts so ill-favouredly, that it will be irksom to behold it: besides, it will occasion swellings, and draw down rumours, which will be more noysom, than the Pace will be beneficial.

Another makes his Tramel of such course or hard stuff, or else girds it so strait, or leaves it fretting up and down so loose, that he galls his Horse legs, and leaves neither hair or skin upon them; at the best it leaves such a foul print and mark upon the legs, that every one will accuse both the Horse and his Teacher of disgrace and indiscretion.

As these, so I must conclude with the last error of the Tramel, which is, mens opinions; and though it be the most insufficient, yet it hath the greatest power to over sway truth, and that is, the Tramel is utterly unnecessary, and unprofitable, and the defender worthy of no imployment, alledging the Land only to be excellent:

The errors I have already confuted; it now remains (after all these faults finding) that I shew the truest, the easiest, and that way which is most uncontroulable for the making of an Horse to Amble, with all the gracefulness and perfection that can be required.

The best way to amble an Horse.

When you are about undoubtedly to make an Horse Amble truly, and without controulment: First, try with your hand by a gentle or deliberate racking and thrusting of the Horse forward, by helping him in the weeks of his mouth with your Snaffle (wch must be smooth, big and full) correcting him first on one side, then on another with the calves of your legs, and sometimes with the spur, if you can make him of himself strike into an Amble; but by no means disorder or displace either his mouth, head, or neck; if you find you can make him strikel into an Amble, though shuffling disorderly, there will be much labour saved: for that proclivity, or aptness to Amble, will make him with more easiness and less danger, endure the use of the Tramel, and make him find the motion without stumbling or amazement: But if you find he will by no means either apprehend the motions or intentions, then struggle not with him, but fall to the use of the Tramel in this manner following.

The form of the Tramel.

But before I come to the use and vertue thereof,

thereof, I will shew you the form and substance whereof it ought to be made; because nothing hath ever done this Instrument more injury, than false substances and false shapes.

Therefore some make these Trammel all of Leather, and that will either retch or break; the first mars the work by uncertainty, the other loseth the labour.

Another makes it of Canvas, and that galls.

A third makes it of strong Lint, and that hath all the faults of both the former; for the softness will not let it lye close, and the gentleness makes it stretch out of all compass, or break upon every stumble.

And as these, so there are a world of other useles Trammel; for you must understand, that touching the true Trammel, the side-ropes must be firm, without yielding an hair: The Hose must be soft, lie close, and not move from his first place; and the Backband must be flat, no matter how light, and so defended from the Fillets that it may not gall. And this Trammel must be thus made, and of these substances.

First, for the side-Ropes, They must be made of the best, finest, and strongest Pack-thread, such as your Turkey-thread, and twined

H 3 by

by the Roper into a delicate strong cord, yet at the utmost, not above the bigness of a small Jack-line, with a noose at each end, so strong as is possible to be made; neither must these side-Ropes be twined too hard, but gentle, and with a yielding condition, for that will bring on the motion more easie, and keep the Tramel from breaking; now these side-ropes must be just 36 inches in length, and so equal one with another, that no difference may be espied.

For the Hose, which must be placed in the small of the fore-leg, and the small of the hinder-leg above the feet-lock, they must be made of fine Gyrth-web, which is soft and pliant, and lined with double Cotton: over the Gyrth-web must be fastned strong Tabbs of white Neats-leather well tallowed, and suited to an even length, and stamped with holes of equal distance, which shall pass through the noozes of the side-Ropes, and be made longer or shorter at pleasure, with very strong Buckles. These Hose, the Gyrth would be 4 inches in length, and the Tabbs ten.

The Back-band being of no other use but to bear up the side-ropes, would (if you Tramel all the fore-legs) be made of fine Gyrth-web, and lined with Cotton; but if you Tramel but one-side, then any ordinary Tape will serve, being sure that it carry the side-Ropes

Ropes in an even line without either raising or falling; for if it rise, it shortens the side-rope; if it fall, indangers tangling.

Thus you see what the true Tramel is, and how to be made: touching the use, it thus followeth.

The true use of the true Tramel.

When you have brought your Horse into an even smooth path, without rubs or roughness, you shall there hose the near fore-leg, and the near hinder-leg; then put to them the side-rope, and see that he stand at that just proportion which Nature her self hath formed him, without either straining or enlarging his members, and in that even and just length stay the side-Rope by a small Tape fastned up to the Saddle. Then with your hand on the Bridle, straining his head, put him gently forward, and if need be, have the help of a by-stander to put him forward also, and so force him to Amble up and down the Road with all the gentleness you can, suffering him to take his own leisure, that thereby he may come to an understanding of his restraint, and your will for the performance of the motion; and though he snapper or stumble, or peradventure fall now and then, yet it matters not, do you only stay his head,

give him leave to rise, and with all gentleness put him forward again, till finding his own fault, and understanding the motion, he become perfect, and Amble in your hand to your contentment.

And that this may be done with more ease and less amazement to the Horse, it is not amiss (at his first Trameled) that you give your side-ropes more length than ordinary, both that the twitches may be less sudden, and the motion coming more gently, the Horse may sooner apprehend it.

But as soon as he comes to any perfectness, then instantly put the side-ropes to their true length. For an inch too long, is a foot too slow in the pace; and an inch too short, causeth ralling, a twitching up of the legs, and indeed a kind of plain halting.

When to alter the Tramel.

When the Horse will thus Amble in your hand perfectly; being Trameled on one side, you shall then change them to the other side, and make him Amble in your hand as you did before. And thus you shall do, changing from one side to another, till with this half Tramel he will run and Amble in your hand without snappering or stumbling, both readily and

and swiftly. When this is attained unto, which cannot be above two or three hours labour (if there be any tractableness), you may then put on the whole Tramel, and the broad flat Back-band, Trampling both sides equally, and so run him in your hand (at the utmost length of the bridle) up and down the road divers times, then pause, cherish, and to it again; and thus apply him till you have brought him to that perfection, that he will Amble swiftly, truly and readily, when, where, and how you please: Then put him upon uneven and uncertain wayes, as up-hill and down-hill, where there are clots and roughness, and where there is hollowness and false treading,

When to mount his Back.

Now when he is perfect in your hand upon all these, you may then adventure to mount his Back, which (if you please) you may first do by a Boy, or Groom, making the Horse Amble under him, whilst you stay his head to prevent danger, or to see how he trieth. Then after mount your self, and with all gentleness and lenity, increasing his pace more and more, till you come to the height of perfection. And thus as you did before

before in your hand, so do now on his back, first with the whole Tramel, then with the half, and changing the Tramel oft, first from one side, then to another, then altering grounds till you find that exquisiteness which you desire.

And this must be done by daily exercise and labour, as twice, thrice, sometimes oftener in the day.

When to Journey.

When you have attained your wish in the perfection of his Stroke, the nimbleness of his Limbs, and the good carriage of his Head and Body, you may then take away the Tramel altogether, and exercise him without it.

But this exercise I would have upon the High-way, and not (Horse-courser like) in a private smooth Road, for that affords but a coufening pace, which is left upon every small weariness: therefore take the High-way forward for three, four, or five miles in a morning, more or less, as you find the Horses aptness and ability.

Now if in this Journeying, either through weariness, ignorance, or peevishness, you find in him a willingness to forsake his
pace,

pace, then (ever carrying in your Pocket the half-Tramel) alight and put it on, and so exercise him in it, and now and then giving him ease, bring him home in his true pace.

This exercise you shall follow day by day, and every day increasing it more and more, till you have brought him from one mile to many : which done, you may then give him ease, as letting him rest a day or two, or more, and then apply him again ; and if you find in him neither error nor alteration, then you may resolve your work is finished: For in all mine Experience, I never found this way to fail.

But if any alteration do happen, (as many phantastick Horses are subject unto) if it be in the motion of his pace, then with your hand reform it.

But if that fail, then the use of the half-Tramel will never fail you.

Now if the error proceed from any other occasion, look seriously into the cause thereof, and taking that away, the effect will soon cease ; for you are to understand, that in this manner of teaching an Horse to Amble, you are forbidden no help or benefit whatsoever which belongs unto Horsemanship, as Chain, Cavezan, Musroule, Headstrain, Mar-

Martingale, Bit, or any other necessary Instrument, because this motion is not drawn from the mouth, but from the limbs.

Many things else might be spoken on this subject, but it would but load Paper, and weary memory, and I aim only at short Essayes, and true new Experiments, therefore this already writ I hold sufficient.

THE

THE OFFICE OF THE BUYER.

Wherein is shewed all the perfections
and imperfections that are or can
be in a Horse.

*Observations and Advertisements for any
man, when he goeth about to buy an
Horse.*

HE Here is nothing more difficult in all the
Art of Horsemanship, than to set down
constant and uncontrollable Resolutions, by
which to bind every man's mind to an unity
of consent in the buying of an Horse: for
according to the old Adage, *What is one
man's meat, is another man's poyson*; what one
affects, another dislikes. But to proceed ac-
cording to the Rule of Reason, the Precepts
of the Ancients, and the modern practice of
our present conceived opinions, I will, as
briefly as I can (and the rather because it is

a labour I never undertook in this wise before) shew you those observations and advertisements which may fortifie you in any hard Election.

The end for which to Buy.

First therefore you are to observe, That if you will elect an Horse for your hearts contentment, you must consider the end and purpose for which you buy him, as whether for the Wars, Running, Hunting, Travelling, Draught or Burthen.

Every one having their several Characters, and their several Faces both of beauty and uncomeliness.

But because there is but one truth, and one perfection, I will under the description of the perfect and untainted Horse, shew all the imperfections and attaindures which either Nature or Mischance can put upon the Horse of greatest deformity.

Let me then advise you that intend to buy an Horse, to acquaint your self with all the true shapes and excellencies which belong to an Horse, whether it be in his natural and true proportion, or in any accidental or outward increase, or decrease of any limb or member and from their contraries to gather all thing whatsoever that may give dislike or offence.

Election

Election how divided.

To begin therefore with the first principle of Election, you shall understand they are divided into two special Heads, the one General, the other Particular.

The General Rule.

The General Rule of Election is, first the end for which you buy; then his Breed or Generation, his Colour, his Pace, and his Stature. These are said to be general, because they have a general dependance upon every mans several opinion, as the first which is the end for which you buy, it is a thing shut up only in your own bosome.

Of Breed.

The other, which is Breed, you must either take it from faithful report, your own knowledge, or from some known and certain Characters, by which one strain or one Country is distinguished from another; as the *Neapolitan* is known by his Hawk-nose; the *Spaniard* by his small Limbs; the *Barbary* by his fine Head, and deep Hoof: The *Dutch* by his rough Legs; the *English* by his general

ral strong knitting together, and so forth of divers others.

Of Colour.

As for his colour, although there is no colour utterly exempt from goodness, for I have seen good of all, yet there are some better reputed than others; as the Dapple-gray for beauty, the Brown-bay for service, the Black with Silver-hairs for courage, and the Lyard or true mixt Roan for countenance. As for the Sorrel, the Black without white, and the unchangeable Iron-gray, are reputed cholerick; the bright-Bay, the flea-bitten, and the Black with white marks are sanguinists; the Black, White, the Yellow, Dun, and Kiteglewed, and the Pyeball'd, are flegmatick; and the Ches-nut, the Mouse-dun, the Red-bay, and the Blue-gray, are melancholy.

Pace, as Trotting.

Now for his Pace, which is either Trot, Amble, Rack, or Gallop, you must refer it to the end also for which you buy; as if it be for the Wars, Running, Hunting, or your own Pleasure, then the Trot is most tolerable, and this motion you shall know by a cross moving of the Horses limbs, as when the far

fore-

fore-leg, and the near hinder-leg; or the near fore-leg, and the far hinder-leg, move and go forward in one instant. And in this motion, the nearer the Horse taketh his limbs from the ground, the opener, the evenner, and the shorter is his Pace: For to take up his feet slovenly, shews stumbling and lameness: To tread narrow or crows, shews enterseiring or sailing; to step uneven, shews toyl and weariness; and to tread long, shews over-reaching.

Ambling.

Now if you elect for ease, great Persons eats, or long Travel, then *Ambling* is required. And this motion is contrary to Trotting: for now both the feet on one-side must move equally together; that is, the far fore-leg, and the far hinder-leg; and the near fore-leg, and the near hinder-leg. And this motion must go swift, large, smooth, and nimble: for to tread false, takes away all ease: to tread short, rides to ground: to tread rough, shews rolling; and to tread un-nimbly, shews a false Pace that never continueth; as also lameness.

Racking.

If you elect for Buck-hunting, Galloping in the High-way, Post, Hackney, or the like,
I then

then a racking pace is required : and this motion is the same that Ambling is, only it is in a swifter time, and a shorter tread ; and though it rid not so much ground, yet it is a little more easie.

Galloping.

Now to all these Paces must be joyned a good Gallop, which naturally every trotting and racking Horse hath ; the Ambler is a little unapt thereunto, because the motions are both one, so that being put to a greater swiftness of Pace than formerly he hath been acquainted withal, he handles his legs confusedly, and out of order ; but being trained gently, and made to understand the motion, he will as well undertake it as any trotting Horse whatsoever.

Now in a good Gallop you are to observe these vertues. First, That the Horse which taketh his feet nimbly from the ground, but doth not raise them high, that neither rolleth nor beateth himself, that stretcheth out his fore-legs, follows nimbly with his hinder and neither cutteth under his knee (which is called the Swift cut) nor crosseth, nor clappeth one foot on another, and ever leadeth with his far fore-foot, and not with the near ; this Horse is said ever to Gallop most comely and most true, and it is the fittest for speed,

any swift imployment. If he Gallop round, and raise his fore-feet, he is then said to Gallop strongly, but not swiftly, and is fittest for the great Saddle, the Wars, and strong encounters. If he Gallop slow, yet sure, he will serve for the High-way: but if he labour his feet confusedly, and Gallop painfully, then is he good for no Galloping service: beside, it shews some hidden lameness.

Stature.

Lastly, Touching his Stature, it must be referred to the end for which you buy, ever observing that the biggest and strongest are fittest for strong occasions, and great burthens, strong draughts, and double carriage; The middle-size for pleasure, and general imployments; and the least for ease, street-walks, and Summer Hackney.

The Particular Rule.

Now touching the Particular Rule of Election, it is contained in the discovery of natural Deformities, accidental outward Sorrances, or inward hidden Mischies, which are so many, and so infinite, that it is a world of work to explain them; yet for satisfaction sake, I will in as methodical man-

nor as I can, shew what you are to observe in this occasion.

How to stand to view.

When a Horse is brought unto you to buy (being satisfied for his Breed, his Pace, Colour and Stature, then) see him stand naked before you, and placing your self before his Face, take a strict view of his Countenance, and the cheerfulness thereof: for it is an excellent glass wherein to behold his goodness and best perfections; As thus:

His Ears.

If his Ears be small, thin, sharp, short, pricked, and moving; or if they be long, yet well set on, and well carried, it is a mark of beauty, goodness, and mettle: but if they be thick, laved or lolling, wide set, and unmoving, then are they signs of dulness, doggedness, and evil nature.

His Face.

If his Face be lean, his Forehead swelling outward, the mark or feather in his Face set high, as above his Eyes, or at the top of his Eyes; if he have a white Star, or white Ratch
of

of an indifferent size, and even placed, or a white snip on his Nose, or Lip; all are marks of beauty and goodnels. But if his Face be fat, cloudy or skouling, his Forehead flat as a trencher, (which we call Mare-faced); or the mark in his Forehead stand low, as under his Eyes : If his Star or Ratch stand awry, or in an evil posture, or instead of a snip, his Nose be raw and unhairy, or his Face generally bald ; all are signs of deformity.

His Eyes.

If his Eyes be round, big, black, shining, starting or staring from his Head; if the black of the Eye fill the pit, or outward circumference, so that in the moving, none (or very little) of the white appeareth, all are signs of beauty, goodness, and mettle : but if his Eyes be uneven, and of a wrinkled proportion, if they be little (which we call Pig-eyed) both are uncomely, signs of weakness : If they be red and fiery, take heed of Moon-eyes, which is next door to blindness. If white and walled, it shews a weak sight, and unnecessary starting, or finding of Boggurds : If with white Specks, take heed of the Pearl, Pin and Web : If they water or shew bloody, it shews bruises ; and if they Matter, they shew old over-riding, festred rhumes, or violent strains.

If they look dead or dull, or are hollow, or much sunk, take heed of blindness at the best; the best is of an old decrept generation: If the black fill not the pit, but the white is alwayes appearing; or if in moving, the white and black be seen in equal quantity, it is a sign of weakness, and a dogged disposition.

His Cheeks and Chaps.

If handling his Cheeks or Chaps, you find the bones lean and thin, the space wide between them, the Thropple or Wind-pipe big as you can gripe, and the void place without knots or kernels; and generally the Jaws so great, that the Neck seemeth to couch within them; they are all excellent signs of great wind, courage, and soundness of Head and Body. But if the Chaps be fat and thick, the space between them closed up with gross substance, and the Thropple little; all are signs of short wind, and much inward foulness: If the void place be full of knots and kernels, take heed of the Strangle or Glanders; at the best, the Horse is not without a foul cold. If his Jaws be so strait, that his Neck swelleth above them, if it be no more than natural, it is only an uncomely sign of short wind and purfickness, or grossness; but if the swelling be long, and close by his Chaps, like a Whetstone,

Whetstone, then take heed of the Vives, or some other unnatural Impostume.

His Nostrils and Muzzel.

If his Nostrils be open, dry, wide and large, so as upon any straining, the inward redness is discovered; and if his Muzzel be small, his Mouth deep, and his Lips equally meeting; then all are good signs of Wind, Health, and Courage. But if his Nostrils be strait, his Wind is little; if his Muzzel be gross, his Spirit is dull; if his Mouth be shallow, he will never carry a Bit well; and if his upper-lip will not reach his neather, old Age or Infirmitie hath marked him for carrion. If his Nose be moist and dropping, if it be clear water, it is cold; if foul matter, then beware of Glanders: If both Nostrils run, it is hurtful; but if one, then, most dangerous.

Teeth.

Touching his Teeth and their vertues, they are set down in a particular Chapter: only remember, you never buy an Horse that wanteth any, for as good lose all as one.

His Breast.

From his Head look down to his Breast, and see that it be broad, out-swelling, and adorned with many features : for that shews strength and indurance. The little Breast is uncomely, and shews weakness ; the narrow Breast is apt to stumble, fall, and enterseire before : the Breast that is hidden inward, and wanteth the beauty and division of many feathers shews a weak armed heart, and a Breast that is unwilling and unfit for any violent toyl or strong labour.

His Fore-thighs.

Next, look down from his Elbow to his Knee, and see that those Fore-thighs be rush-grown, well horned within, sinewy, fleshy, and out-swelling, for they are good signs of strength ; the contrary shews weakness, and are unnatural.

His Knees.

Then look on his Knees that they carry proportion, be lean, sinewy, and close knit, for they are good and comely ; But if one be bigger or rounder than another, the Horse hath received

received mischief : If they be gross, the Horse is Gouty : if they have scars, or hair broken, it is a true mark of a stumbling Jade, and a perpetual Faller.

His Legs.

From his Knees look down to his Legs, to his Pasterns ; and if you find them clean, lean, flat, and sinewy, and the inward bowt of his Knee without seams, or hair-broken, then he shews good shape and soundness : But if on the in-side the Leg you find hard knots, they are Splinters ; if on the out-side, they are Scirows or Excressions ; If under his Knees be Scabs on the in-side, it is the Swift-cut, and he will ill endure Galloping ; if above his Pasterns on the in-side you find scabs, it shews interfeiring : but if the scabs be generally over his Legs, it is either extream foul keeping, or else a spice of the Maunge ; if his flesh be fat, round and fleshy, he will never endure labour : and if on the inward bowt of his Knees you find seams, scabs, or hair-broken, it shews a Maleander, which is a cankerous Ulcer.

His Pasterns.

Look then on his Pastern-Joynt and his Pastern ; the first must be clear and well knit together,

together, the other must be short, strong and upright standing: for if the first be big, or sweld, take heed of Sinew-strains and Gourdings: If the other be long, weak or bending, the limbs will be hardly able to carry the body without tiring.

His Hoofes.

For the Hoofes in general, they should be black, smooth, tough, rather a little long than round, deep, hollow, and full sounding: For white Hoofes are tender, and carry a Shooe ill: A rough, gross seamed Hoof, shews an age, or over-heating. A brittle Hoof will carry no Shooe at all: An extraordinary round Hoof is ill for toul-wayes and deep-hunting. A flat Hoof that is pumised, shews foundring; and an Hoof that is empty and hollow sounding, shews a decayed inward-part, by reason of some wound, or dry founder. As for the crown of the Hoof, if the hair lye smooth and close, and the flesh flat and even, then all is perfect; but if the hair be staring, the skin scabbed, and the flesh rising, then look for a Ring-bone, or a Crown-scab, or a Quarter-bone.

The

*The setting on of his Head, his Crest
and Mane.*

After this, stand by his side, and first look to the setting on of his Head, and see that it stand neither too high nor too low, but in a direct line, and that his Neck be small at the setting on of the Head, and long, growing deeper to the shoulders, with an high, strong, and thin Mane, long, soft, and somewhat curling; for these are beautiful characters: Whereas to have the Head ill set on, is the greatest deformity; to have any bigness or swelling in the nape of the Neck, shewes the Pole-evil, or beginning of a Fistula; to have a short thick Neck like a Bull, to have it falling at the Withers; to have a low, weak, a thick, or falling Crest, shews want both of strength and mettle: To have much hair on the Mane, sheweth intolerable dulness; to have it too thin, shews fury; and to have none, or shed, shews the Worm in the Mane, the Itch, or else plain Manginess.

*His black Ribs, Fillets, Belly,
and Stones.*

Look on the Chine of his Back, that it be broad, even and straight, his Ribs well compassed

passed and bending outward, his Fillets upright, strong and short, and not above an handful between his last Rib and his Hucklebone; let his Belly be well let down, yet hidden within his Ribs, and let his Stones be close trust up to his body: for all these are marks of health and good perfection, whereas to have his Chine narrow, he will never carry a Saddle without wounding: and to have it bending, or Saddle-backed, shews weakness.

To have his Ribs flat, there is no liberty for Wind.

To have Fillets hanging, long or weak, he will never climb an Hill, nor carry a Burden.

And to have his Belly clung up or gaunt, or his Stones hanging down, loose, or aside, they are both signs of sickness, tenderness, foundring in the body, and unaptness for labour.

His Buttocks.

Then look upon his Buttocks, and see that they be round, plump, full, and in an even level with his body: or if long, that they be well raised behind, and spread forth at the setting on of the Tayl, for these are comely and beautiful. The narrow Pin-buttock, the Hog or Swine-rump, and the falling and down-let-buttock are full of deformity, and shew

shew both an injury in Nature, and that they are neither fit (or becoming) for Pad, Foot-cloth, or Pillion.

His Hinder-thighs.

Then look to his Hinder-thighs, or Gastsains, if they be well let down even to the Middle-joynt, thick, brawny, full, and swelling; for that is a great argument of strength and goodness; whereas the lank slender thighs shew disability and weakness.

His Cambrels.

Then look upon the Middle-joynt behind, and if it be nothing but skin and bone, veins and sinews, and rather a little bending than too strait, then it is perfect as it should be. But if it have chaps or sores on the inward bowt or bending, then that is a Selander. If the Joynt be sweld generally all over, then he hath got a blow or bruise; if the swelling be articular, as in the pot, or hollow-part, or on the in-side, and the vein full and proud: if the Swelling be soft, it is a Blood-spaven: if hard, a Bone-spaven; but if the Swelling be just behind, before the knuckle, then it is a Turb.

Hinder-

Hinder-Leggs.

Then look to his hinder-legs, if they be lean, clean, flat and sinowy, then all is well; but if they be fat, they will not endure labour. If they be sweld, the grease is molten into them. If he be scabbed above the Pasterns, he hath the Scratches: If he have chaps under his Pasterns, he hath Rains; and none of these but are noysome.

His Tayle.

Lastly, For the setting of his Tayl; where there is a good Buttock, the Tayl can never stand ill; and where there is an evil Buttock there the Tayl can never stand well: for it ought to stand broad, high, flat, and couched a little inward.

Thus I have shewed you the true shape and true deformities, you may in your choice please your own fancies.

An uncontrollable way to know the age of an Horse.

There are seven outward Characters, by which to know the age of every Horse, namely, his Teeth, his Hoofs, his Tayl

his Eyes, his Skin, his Hair, and the Bars in his mouth.

His Teeth.

If you will know his Age by his Teeth, you must understand that an Horse hath in his Head just forty Teeth ; that is to say, Six great Wong-teeth above, and six below on one side, and as many on the other, which maketh twenty four, and are called his Grinders : Then six above, and six below, in the fore-part of his mouth, which are called Gatherers, and make thirty six : Then four Tusshes, one above, and one below on one side, and are called the Bit-Teeth, which maketh just forty.

Now the *first year* he hath his Foals-teeth, which are only his Grinders and Gatherers, but no Tusshes, and they be small, white, and bright to look on.

The *second year* he changeth the four fore-most teeth in his Head, that is, two above, and two below in the midst of the rows of the Gatherers, and they are browner and bigger than the other.

The *third year* he changeth his Teeth next unto them, and leaveth no apparent Foals-teeth before, but two above, and two below, of each side, which are also bright and small.

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The *fourth year* he changeth the Teeth next unto them, and leaveth no more Foals-teeth but one of each side, both above and below.

The *fifth year* his foremost-teeth will be all changed; but then he hath his Tushes on each side compleat, and the last Foals-teeth which he cast, those which come up in their places, will be hollow, and have a little black speck in the midst, which is called, *the Mark in the Horses mouth*; and continueth till he be past eight years old.

The *sixth year* he putteth up his new Tushes, near about which you shall see growing a little of new and young flesh, at the bottom of the Tush: besides, the Tush will be white, small, short, and sharp.

The *seventh year* all his Teeth will have their perfect growth; and the *Mark in the Horses mouth* (before spoken of) will be plainly seen.

The *eighth year* all his Teeth will be full, smooth, and plain; the black speck, or mark, being no more but discerned, and his Tushes will be more yellow than ordinary.

The *ninth year* his foremost-teeth will be longer, broader, yellower, and fouler than at younger years, the Mark gone, and his Tushes will be bluntest.

The *tenth year* in the inside of his upper-Tushes

Tushes will be no holes at all to be felt with your fingers end, which till that age you shall ever feel; besides, the Temples of his Head will begin to be crooked and hollow.

The *eleventh year* his Teeth will be exceeding long, very yellow, black and foul, only he may then cut even, and his Teeth will stand directly opposite one to another.

The *twelfth year* his Teeth will be long, yellow, black and foul; but then his upper-teeth will hang over his nether.

The *thirteenth year* his Tushes will be worn somewhat close to his chaps (if he be a much ridden Horse) otherwise they will be black, foul and long, like the Tushes of a Boar.

His Hoofs.

If a Horses Hoofs be rugged, and as it were seamed one seam over another, and many seams; if they be dry, full and crusty, or crumbling, it is a sign of very old age: and on the contrary part, a smooth, moist, hollow, and well sounding Hoof, is a sign of young years.

His Tayl.

If you take an Horse with your finger and your thumb by the stern of the Tayl, close at setting on by the Buttock, feeling there

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hard,

hard, if you feel of each side the Tayl a joynt stick out more than any other, by the bigness of an hazel nut, then you may presume the Horse is under ten years old : but if his joynts be all plain, and no such thing to be felt, then he is above ten, and may be thirteen.

His Eyes.

If an Horses Eyes be round, full, staring on starting from his Head, if the pits over them be filled, smooth and even with his temples and no wrinckles either about his Brow, or under his Eyes, then he is young; if otherwise you see the contrary characters, it is a sign of old Age.

His Skin.

If you take an Horses Skin in any part of his body, betwixt your finger and your thumb, and pull it from his flesh, then lett it go again, if it suddenly return to the place from whence it came, and be smooth and plain without wrinckle, then he is young, and full of strength; but if it stand, and not return instantly to its former place, then he is very old, and wasted.

His Hair.

If an Horse that is of any dark colour, shall grow griffel only about his Eye-brows, or underneath his Mane; or any Horse of a whitish colour shall grow meannelled with either black or red meannels univfersally over his body, then both are signs of old age.

His Barrs.

Lastly, if the Barrs in his mouth be great, deep, and handle rough and hard, then is the Horse old: but if they be soft, shallow, and handle gently and tenderly, then is the Horse young, and in good ability of hody.

And thus much is spoken touching the Office of the Buyer.

THE OFFICE OF THE FARRIER.

*The Signs of all Sicknesſes, and how
to diſcern them.*

IF you find in your Horſe heavineſs of Countenance, extream Loofneſs, or extream Coſtiveneneſs, ſhortneſs of Breath, loathing of Meat, dull and imperfect Eyes, rotten or dry Cough, ſtaring Hair, or Hair unnaturally diſcoloured, a ſtaggering Pace, frantick Behaviour, yellowneſs of the Eyes or Skin, faint or cold Sweat, extraordinary lying Down, or beating or looking back at his Body, alteration of Qualities or Geſtures, not caſting of the Coat, Leaneſs, Hide-bound, and the like. All theſe are apparent ſigns of Diſtemperature and Sickneſs.

Signs from the Dung.

It is neceſſary to obſerve the Horſes Dung,
for

for it is the best Tel-troth of his inward parts; yet you must not judge it by a general opinion, but by a private discourse with your self how he hath been fed, because food is the only thing that breeds alterations, — as thus, —

If he feed altogether upon Grass, his Dung hath one complexion, as green; if upon Hay, than another, as a little more dark: If upon little Provender, then inclining to yellow. But to avoid both curiosity and doubt, observe well the complexion of his Dung, when he is in the best health, and the best feeding; and as you find it alter, so judge either of his health or sickness, as thus —

If his Dung be clear, crisp, and of a pale yellowish complexion, hanging together without separation, more than as the weight breaks it in falling, being neither so thin nor so thick, but it will a little flat on the ground; and indeed, both in savour and substance, resembling a sound man's ordure, then is the Horse clean, well fed, and without imperfection.

If it be well coloured, yet fall from him in round knots, or pellets, so it be but the first or second Dung, the rest good, as aforesaid, it matters not; for it only shews he did eat Hay lately, and that will ever come away first. But if all his Dung be alike, then it is a

sign of foul feeding, and he hath either too much Hay, or eats too much Litter, and too little Corn.

If his Dung be in round pellets, and blackish, or brown, it shews inward heat in the body.

If it be greasie, it shews foulness, and that grease is molten, but cannot come away. If he void grease in gross substance with his Dung, if the grease be white and clear, then it comes away kindly, and there is no danger: but if it be yellow or putrified, then the grease hath lain long in his body, and sickness will follow if not prevented.

If his Dung be red and hard, then the Horse hath had too strong heats, and costiveness will follow: if it be pale and loose, it shews inward coldness of body, or too much moist and corrupt feeding.

Signs from the Urine.

Though the Urine be not altogether so material as the Dung, yet it hath some true faces, as thus —

That Urine which is of a pale yellowish colour, rather thick than thin, of a strong smell and a piercing condition, is a healthful, sound, and good Urine: but if it be of an high, red complexion, either like blood, or
inclining

inclining to blood, then hath the Horse had either too fore Heats, been over-ridden, or ridden too early after Winter grass.

If the Urine be of an high complexion, clear and transparent, like old March Beer, then he is inflamed in his body, and hath taken some surfeit.

If the Urine carry a white cream on the top, it shews a weak Back, or consumption of Seed.

A green Urine shews consumption of the Body.

A Urine with bloody streaks, shews an Ulcer in the Kidneys : and a black, thick, cloudy Urine, shews death and mortality.

Of Sickness in general.

Whensoever, upon any occasion, you shall find the Horse droop in countenance, to forsake his meat, or to shew any other apparent sign of sickness; if they be not great, you may forbear to let blood, because where the blood is spent, the spirits are spent also, and they are not easily recovered. But if the signs be great and dangerous, then by all means let blood instantly; and for three mornings together (the Horse being fasting) give him *half an ounce* of the Powder (called by me) *Diachexale*, and by the Italians, *Re-*

gina Medicina, the *Queen of Medicines*, brewed either in a pint of Muscadine or Malmsey, or a pint of the syrup of Sugar, being two degrees above the ordinary Molosses, or for want thereof, Molosses will serve the turn; and where all are wanting, you may take a pint either of Dragon-water, or a quart of the sweetest and strongest Ale-wort, or in extremity, take a quart of strong Ale or Beer, but then warm it a little before the fire.

This must be given with an Horn, and if the Horse have ability of body, ride him in some warm place after it, and let him fast near two hours after the riding.

At noon give him a sweet Mash, cloath very warm, and let him touch no cold water.

Now touching the exact and true making of this rare Powder, which I call *Diabexaple*, because no man (that I know) Apothecary or other, doth at this day make it truly; partly, because it is an Experiment but lately come to my knowledge by conference with learned Physicians, and partly because our Medicine-makers are in Horse-Physick less curious than they should be; through which errors there is produced to the World an abundance of false mixtures, which both deceiveth the honest Horse-master, kills the harmless Horse, and disgraceth the well-meaning Farrier. To repair all which, I
will

will here set down the true manner of making this admirable Pouder, together with the virtues and operations thereof.

*The true manner of making the true
Diahexaple.*

Take the Roots of round *Aristolugia*, wash them, scrape them, and purifie them as clear as may be, then take Juniper-berries unexcorticated, and Bay-berries excorticated; take the purest and best drops of Myrrh, and the finest shavings of Ivory, of each an equal quantity; beat all but the Myrrh together, and seirse them fine: *Lastly*, beat the Myrrh, and seirse it also; then mix and incorporate all together, press it hard into a Gally-pot, and keep it, and use it as you have occasion.

The Virtues of true Diahexaple.

This Pouder, or indeed Methridate, called *Diahexaple*, or the *Queen of Medicines*, is most excellent and soveraign against all manner of Poyson, either inward or outward; it cureth the bitings of venemous Beasts, and helpeth hart wind and purfickness. *Dodoneus.*

It mundifieth, cleanseth, suppleth, and naketh thin all gross Humours, it healeth all diseases of the Liver and Stomach, helps Digestion,

digestion, and being given in a pint of Sack, it cureth all Colds : it is good against Consumptions, breaks Flegm, helps Staggers, and all Diseases of the Head. *Gerrard.*

It recovers Tying and Weariness, and takes away Cramps and Convulsions, dries up the Scurvy, breaks the Stone, opens all inward Obstructions, and helps the Yellows, the Gargil, and the Dropsie. *Diascorides.*

It cures all diseases of the Lungs, as Glanders and Rottenness, gives ease to all Gripings and Windiness of the Belly, provoketh Urine, takes away Infection, and kills Worms. *Galen.*

A Drink to open an Horses body, and cleanse it.

Take a quart of new Milk, Sallet-oyl, Honey, each *half a pint*, an *ounce* of London-Treacle, and the yolks of six Eggs beat all together : and then put to it Liquorish, Sugar-candy, Anniseeds (all in Powder) of each an *ounce*, and infuse all together, so give it the Horse, ride him after it, set up warm, and let him fast above an hour.

The true manner of making those cordial Balls, which cure any violent Cold or Glanders, which prevent Heart-sickness, which purge away all molten Grease, which recover a lost Stomach,

Stomach, which keep the heart from fainting with exercise, and make a lean Horse fat suddenly.

Take Anniseeds, Cominseeds, Fenugreek-seeds, Carthumus-seeds, Elicampane-roots, and Colts-foot, each *two ounces* beaten, and searced to a fine dust, *two ounces* of the flower of Brimstone, then take an *ounce* of the juyce of Liquorish, and dissolve it on the fire in half a pint of White-wine; which done, take an *ounce* of Chymical oyl of Anniseeds, then of Sallet-oyl, Honey, and the syrup of Sugar, or for want of it, Molosses, of each *half a pint*; then mix all this with the former Pouders, and with as much fine Wheat-flower as will bind and knit them all together; work them into stiff paste, and make thereof Balls somewhat bigger than French Walnuts, hull and all, and so keep them in a close Gallipot, (for they will last all the year:) Yet I do not mean that you shall keep them in the Pot in Balls: for so, because they cannot lye close, the air may get in, and do hurt; as also the strength of the Oyls will sweat outward, and weaken the substance, therefore knead the whole lump of Paste into the Gallipot, and make the Balls as you have occasion to use them.

Now for the use of these Balls, because they

they are Cordial, and have divers excellent Virtues; you shall understand, that if you use them to prevent Sicknes, then you shall take a Ball, and anoint it all over with sweet Butter, and give it the Horse in the morning in the manner of a Pill, then ride him a little after it (if you please, otherwise you may chuse) and feed and water him abroad, or at home, according to your usual custom. And thus do three or four mornings together.

If you use them to cure either Cold or Glanders, then use them in the same manner for a week together. If you use them to fatten an Horse, then give them for a fortnight together. But if you use them in the nature of a Scouring, to take away molten grease and foulness, then instantly after his Heat, and in his Heat.

Again, if you find your Horse at any time hath taken a little cold, as you shall perceive by his inward ratling, if then you take one of these Balls, and dissolve it in a pint of Sack, and so give it the Horse, it is a present remedy.

Also, to dissolve the Ball in his ordinary water, being made luke-warm, it worketh the like effect, and farneth exceedingly.

To give one of these Balls before Travel, it prevents Tying; to give it in the height of Travel, it refresheth the weariness; and to give it after Travel, it saves an Horse from all surfeit and inward sickness.

For

For the Bots, or any Worms.

Take a quart of new Milk, and as much Honey as will make it extraordinary sweet; then being luke-warm, give it the Horse early, he having fasted all the night before, then bridle him up, and let him stand tyed to the empty Rack for two hours; then take half a pint of white Wine, and dissolve into it a good spoonful or more of black Sope, and being well mixt together, give it him to drink; then ride and chase him a little, and let him fast another hour, and the Worms will avoid.

*Another for Worms more ready,
more easie.*

Take the soft Down-hairs that grow in the Ears of an Horse, and which you clip away when you coule him, and the little short tuft which grows on the top of the Fore-head, underneath his fore-top; and having a pretty quantity, mix them with a pottle of Oats, and give them to the Horse, and it helpeth.

*A Purgation when an Horse is sick of
Grease, or Costiveness.*

Take a Pint of old white Wine, and on the fire dissolve it into a lump (as much as an Hens-egg) of Castle-sope, and stir them together, then take it off, and put into it two good spoonfuls of Hempseed beaten, an ounce of Sugar-candy in powder, and brew all together, then having warmed the Horse, to stir up his grease and other foul humours, give him this to drink, and walk him up and down a little after it, to make the Potion work; then set up warm, and after a little stirring him in his Stall, if he grow sickish, give him liberty to lye down; then after two hours fasting give him a sweet Mash, then feed as at other times.

*For Laxativeness, or extream
Looseness.*

Take a quart of red Wine, and on the fire, put into it an ounce and an half of Bolarmoney in powder, and two ounces and an half of the Conserve of Sloes, mix them together; after take it from the fire, and put to it a spoonful or two of the powder

of Cinamon, brew all together, and give it the Horſe : but let him faſt two hours after it, and let him eat no waſhed meat. Hay is wholeſom, ſo is Bread and Oats, if they be well mixt with Beans or Wheat, but not otherwiſe.

*For the Stone, or pain of Urine by Wind,
Causing Sickneſs.*

Make a ſtrong Decoction, (that is to ſay) boyl your firſt quantity of Water to an half part three times over, of keen Onions clean peeled, and Parsley, then take a quart thereof, and put to it a good ſpoonful of London-Treacle, and as much of the Pouder of Eggſhels, and give it the Horſe.

And thus do divers mornings, if the Infirmity be great ; otherwiſe, when you ſee the Horſe offended.

For an Horſe that ſtaletb Blood.

Take Knot-graſs, Shepherds-purſe, Bloodwort of the Hedge, Polypodium of the Wall, Camphrey, Garden Bloodwort, of each an handful ; ſhred them fine, and put them into a quart of Beer, Ale, or Milk, and put to them a little Salt, a little Soot and Leaven, mix all together, and give it the Horſe to drink.

For

For a growing Cold.

Take the juyce of Liquorish, London-Treacle, Anniseeds, Turmerick, Fenugreek, and long Pepper, of each *an ounce*, the hard Simples in Pouder; then of Sugar-candy *two ounces*, and with as much English Honey as will suffice, incorporate all together, and make thereof Balls as big as a good Pullets-egg, and give the Horse two or three in the morning fasting.

After he hath taken the Balls, give him two new-laid Eggs, then ride him, and at noon give him a Marsh, keep warm, and do this twice or thrice.

For a more violent Cold, causing rotting in the Head.

Take the big Elicampane Root, slice it, and boyl it in Water from a pottle to a quart, then strain it, and to that Water put a pint of Urine, and a pint of Muscadine, of Anniseeds, Liquorish, Cominseeds, long Pepper (in pouder) of each *an ounce*, twenty Raisins of the Sun stoned and bruised, and of Sugar-candy *two ounces*; let all these symmer on the fire, and not boyl, till they be incorporate; then take it off,

off, and to one half thereof (which is a sufficient drench) put *a quarter of a pound* of sweet Butter, and *four spoonfuls* of. Sallet-oyl; then being luke-warm, give the Horse a third part of the drench, and after it a new-laid Egg: then another third part, and after it another Egg: then lastly, all the rest of the drink. Then ride him pretty roundly after it, for near an hour, and let him fast another hour; keep warm, and feed as at other times. At noon give him a Mash, and the next day give him the other half.

For a desperate dry Cough.

Take *a pint* of burnt Sack, Sallet-oyl, and Red Wine-vinegar, of both *a quarter of a pint*; of Fenugreek, Turmerick, long Pepper, and Liquorish, of each *a spoonful* in powder, and give the Horse, half at the one nostril, and half at the other; and do this twice a week, and ride him after it, and let him fast two hours, and keep his head and breast warm.

For the ordinary Water you may give him for a fortnight, let it have good store of sliced English Liquorish steeped into it.

For a Cold long settled.

Take three heads of Garlick, and roast them in the Embers, then mix them with *three spoonfuls* of Tarre, as much powder
L Sugar,

sugar, and half a pound of Hogs-grease, then with Anniseeds, Liquorish, Elicampane, Fenugreek, and Cominseeds, make it into a paste, and give as much at once as a Ducks-egg.

For a dry Cough, or wasted Lungs.

Take Elicampane, the flower of Brimstone, Liquorish, Fennelseed, Lintseed, of each *an ounce*, seirsed; Syrup of Elicampane *an ounce*; and of clarified Honey *a pound*; work the Pouders and these together, and to *a pint* of sweet Wine, put *two ounces* of these, and give it the Horse morning and evening: ride him after it, and let him fast an hour after riding, give no cold Water but with exercise.

A Cordial Powder for any ordinary Cold, and to prepare a Horse before Travel, to refresh him in Travel, and to preserve him from mischief after Travel.

Take of English Liquorish, Elicampane Roots, of each *an ounce*; of Sugar-candy, *a ounce and an half*; beat them to fine Powder and seirse them.

Keep the Powder in a Box, and when you have occasion to use it, if it be for a cold then give *half an ounce* in a *pint* of Sack;

it be in Travel, then give it in sweet Wine or strong Ale; but if in Ale, then take a quart, and give it both before Travel, and in your Inn, or at home immediately after Travel.

*To break a festered Cold, or dry up Glanders,
and to heal the Ulcer, or Canker
in the Nose.*

Take a pint of Verjuice, and put to it so much strong Mustard (made with Wine-vinegar) as will make it strong and keen thereof; then take an ounce of Roach Allom in Powder, and when you give this to the Horse, as you fill the horn, so with a knife or spoon, put some of the Allom into the horn, and so give it the Horse part at both nostrils, but especially that nostril which runneth most; then ride him a little after it, and set up warm, and give no cold Water but with exercise. Thus do divers mornings.

For the Glanders.

Take Cominseeds, Grains, and Fenugreek in powder, of each half an ounce; of Di-hexaple, a quarter of an ounce; beat this in a Mortar with a quarter of a pint of Verjuice, three spoonfuls of Sallet Oyl, and two

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spoon-

Spoonfuls of Aqua-vita, then put all together to a quart of old Ale, with a good slice of sweet Butter, and set it on the fire till it be ready to boyl; then being luke-warm give it the Horse, part at the Mouth, and part at both Nostrils: then ride him pretty roundly for an hour, and set up warm; let him fast an hour, and if you perceive sickness to grow, give him a pint of new Milk.

*To stay the Glanders for a time,
being incurable.*

Take the green bark of Elder, and beat it in a Mortar, and strain it till you have a pint thereof; then put that Juice to a pint of old Ale, and warm it on the fire with a good lump of sweet Butter, and an ounce of Sugar-candy, and so give the Horse; ride him after it, let him fast an hour, and keep warm. Do thus divers mornings.

*For decayed or stopped Lungs, which
we call Broken-wind.*

Take half a pint of Colts-foot-water, or the syrup of Colts-foot; but in the syrup it will best dissolve; and put into it a dram of *Balsamum Sulphuris*, and give it the Horse in the morning fasting; then ride him a little

little after it, be sure to keep warm, and give no cold Water without exercise. Do thus every other morning, giving it one morning at the Mouth, and another at the Nostrils, till you find amendment.

*A Scouring when others will
not work.*

Take of sweet Butter *a quarter of a pound,* half so much Castle Sope, and *half an ounce* of Aloes, beat them together: then add of Hempseed *two spoonfuls,* of Rosin *half a spoonful,* of Sugar-candy *an ounce;* all bruised fine, work it into a Paste, and give it the Horse in Balls immediately after his Heat, or when you have warmed him, and stirred up the grease and foulness within him.

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Out

OUTWARD SORRANCES.

The Signs of outward Sorrances.

Outward Sorrances are discerned when any member or part in an Horſe is diſfigured or evil affected by the loſs of true ſhape, diſability in motion, the increaſe or decreaſe of number and quantity, the diſproportion of place, or the ſeparating of things knit and united. And theſe accidents have divers names, as Impoſthums, Ulcers, or Wounds when they are in fleſhy parts: Excretions or Fractures on and in the bones; Ruptures in the Veins, Convulſions in the Sinews, and Excoriations upon the ſkin.

The firſt is known by outward Swellings, rotten or bloody Sores; the next by utter diſability in the member, or elſe plain halting: The next by Wens and Knots both ſoft and hard; the next, by Gordgings and Haltings; and the laſt, by Scurf and Leproſie.

Now forasmuch as the greateſt part of
Sorrances,

Sorrances, and especially those which are most hid and obscure, are found out by halting; I will shew you the severall manner of haltings, and what they signifie.

If the Horse halt before, and lift not up his Leg, but in a manner traileth it after the other, it shews a new hurt on the top of the shoulder.

If he cast his Leg outwards, or go Baker-like, and not bend the Knee, it is either an old hurt on the top of the Shoulder; or if new, then it is a Shoulder-plat, or rending betwixt the Shoulder and the Body: If in turning short he favour his Foot, if griping his Withers he complain; if he halt more when he is ridden than led, the offence is on the top of the shoulder: If standing in the Stable, thrust forth his Foot and favour it, then search his Foot; and if in that be found no Prick, no dry Founder, no Surbat, then it is in the mid-part of the Shoulder, or the Coffin-joynt.

If halting he bow down his Head to the ground, and step short and thick; then it is in the fore-part of the Shoulder, at the Breast. If in handling his Elbow hard, he twitch up his Foot suddenly from the ground, the offence is there.

If on his Shank-bones (in their severall places be Splents, Excreffions, Windgalls, or

Maleanders, and they sore, they will occasion halting, as any other outward Sorrance upon any other member.

Heat on the Crownet, shews pain in the Coffin-joynt.

In halting before, to trip on the Toe, shews pain in the Heel; to favour the Toe, shews pain in the Toe; to halt more on uneven ground than on the even, shews pain in the Feet; and in going from you, and coming to you, may be discerned, whether the outward or inward quarter: But to clear all doubts, the Pincers will shew any pain in the Foot whatsoever.

If your Horse halt behind, and in halting go side-long, and not in an even line, the grief is in the Hip, and yet but new, or in the Fillets, and may be new or old; if it be old in the Hip, the Hip will fall, and then no cure.

If in halting he tread only on his hinder-Toe, and no offence in the Foot, then the pain is in the Stiffel. If in halting he bend not his Hough or Ham, and no outward Sorrance, yet the pain is there.

If he halt through any offence in his Leg, from the Ham to the Pastern, outward Sorrance, or Swelling will shew it; and so likewise for the other parts below it.

For

*For sore Eyes, dim Eyes, and
Moon Eyes.*

Take *Lapis Calaminaris* half an ounce, and heat it red hot, and quench it in a quarter of a pint of Plantane water, or white Wine: do this eight or nine times, then beat it to powder, and put it to the Water; then add *half a dram* of Aloes, and a *scruple* of Camphire in powder, and let them dissolve; drop this into the Eye.

Another for Eyes of like nature.

Take a pint of Snow-water, and dissolve in it *three or four drams* of white Vitriol, and with it wash the Horses Eyes three or four times a day, and it helpeth.

*For a white Film, or Skin over
the Eye.*

Take the Root of the black Sallow, and urn it to ashes; then put to it a like quantity of Sugar, and grated Ginger finely seirsed; low this into the Eye morning and evening.

For

*For any soreness in the Eyes, as Pearl,
Pin or Web, or Bruise.*

Take a new laid Egg, and roſt it very hard, then cleave it in ſunder long-wiſe, and take out the yolk; then fill the empty holes with white Vitriol finely beaten, and cloſe the Egg again; then roſt it the ſecond time, till the Vitriol be molten. Laſtly, beat the Egg, ſhell and all, in a Mortar, and ſtrain it, and with that moiſture dreſs the Eye.

If inſtead of the Vitriol you fill the holes with Myrrh finely ſeifed, and hang the Egg up that it may drop, and with that moiſture dreſs the Eye: it is every way as good, only it is a little ſtronger.

*For foul Eyes, ſore Eyes, or Sight
almost loſt.*

There be ſome that for this great offence in the Eye, put in two fine ſmall rowels long-wiſe in the temples of the Head, juſt behind the Eyes: But for mine own part, I not much fancy it, becauſe I fear it breeds more evil humour than it brings away, beſides ſoreneſs and diſgrace; Therefore in this Cure, my practice is thus:—

Take Tacchamahaca, Maſtich, Roſin and Pitch,

Pitch, of each *a like quantity*, and being molten with Flax of the colour of the Horse, lay it as defenſitive on each ſide his Temples, as big as a twenty ſhillings-piece: then underneath his Eyes, upon the Cheek-bone (with a round Iron) burn three or four holes, and anoint them with ſweet Butter; then take *an handful* of Selandine, and waſh it clean in white Wine, but let it touch no Water; then bruife it, and ſtrain it, and to the quantity of Juyce, put the third part of Womans Milk, and a pretty quantity of white Sugar-candy, ſeirſed thorough a piece of Lawn, and with a feather, quill, or otherwiſe, drop it into the ſore Eye morning and evening.

Thus do for the worſt of ſore Eyes: but if the offence be not extream, then you may forbear both the defenſitive, the burning, and the rowels, and only uſe the Medicine.

The Maſter Medicine for a back-ſinew-ſtrain, or any ſtrain, ſhrinking, or numbneſſ of Sinews.

Take a fat ſucking Maſtiſſ-whelp, ſlay it, and bowel it; then ſtop the body as full as it can hold with gray Snails, and black Snails, then roſt it at a reaſonable fire; when it begins to warm, baſte it with *ſix ounces* of the
Oyl

Oyl of Spike made yellow with Saffron, and six ounces of the Oyl of Wax: then save the droppings, and what moisture soever falls from it, whilst any drop will fall, and keep it in a Gallipot.

With this anoint the strain, and work it in very hot, holding a Bar of Iron before it; and thus do both morning and evening till amendment.

*Another in nature of a charge, for
a back-sinew-strain.*

Take five quarts of Ale, and a quarter of a Peck of Glovers specks, and boyl them till it come to a quart: then apply it hot to the grief, and remove it not for five or six dayes.

For a Strain in any part, new or old.

Take of Sheeps-suet a pound, of Sheeps-dung two handfuls, chopt Hay an handful, Wheat-bran a pint, sweet Sope a quarter of a pound; boyl all these in a quart of strong Beer, and a quart of the grounds of strong Ale, till it come to a thick Pultis; then take it from the fire and cool it with half a pint of Wine-vinegar, and a quarter of a pint of Aqua-vita; then apply this very hot to the grief, and give him moderate exercise.

For

F A R R I E R.

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For a Strain or Sinen-bruise.

Take Comin-seed and bruise it gross, then boyl it with the Oyl of Camomile, and put to it so much yellow Wax as will bring it to a Cerror, and spread it on either Cloth or Leather, and hot apply it to the grief.

For old Strains, or cold Cramps.

Take *Aqua-vitæ*, Oyl de-Bay, Oyl of Swallows, Bolearmony, Bores-grease, black Sope, of each *half a pound*; boyl them till the *Aqua-vitæ* be incorporate; then take of Camomile, Rue, red Sage, and Messeldine, of each *an handful*; dry them and bring them to powder, then mix it with the Oyntment, and bring all to a gentle Salve.

With this anoint the grief, and hold an hot Bar of Iron before it, chafing it in well; and thus do once a day, and in nine dayes the cure hath been effected.

A

*A sudden Cure for a knock or bruise
on the Sinews.*

Take a live Cat, wild or tame, and cut off her Head and Tayl, then cleave her down the Chine, and clap her hot (bowels and all) to the bruise, and remove it not for two dayes.

*For a Strain newly done, to help it
in 24 hours.*

Take the grounds of Ale or Beer, a quart ; as much Parsly chopt gross, as you can gripe ; boyl them till the Herb be soft, then put to it a quarter of a pound of sweet Butter, and when it is molten, take it from the fire, and put into it a pint of Wine-vinegar ; and if it be too thin, thicken it with Wheat-bran, then lay it upon hurds, and Poulters-wise, as hot as the Horse can suffer it, and remove it once in twelve hours, and give the Horse moderate exercise.

Mark-

Markham's own *B A L M*, which hath never
 failed him for any Strain in the Shoulder,
 or other parts, hid or apparent, or
 for any Wind-gall, or
 Swelling.

Take ten ounces of Piece-grease, and melt
 it on the fire; then take it off, and put into
 it four ounces of the Oyl of Spike, one
 ounce of the Oyl of Origanum, an ounce
 and an half of the Oyl of Exceter, and three
 ounces of the Oyl of St. Johns-wort; stir
 them well together, then put it up into a
 Gallipot.

With this Oyntment (or indeed precious
 Balm) hot, anoint the grieved part, and rub
 and chafe it in very much, holding a hot Bar
 of Iron before it; and thus anoint it once
 in two dayes, but rub and chafe it in twice or
 thrice a day, and give the Horse moderate
 exercise.

*For Sinews that are extended, over strain-
 ed, and so weakned, that the
 member is useles.*

Take of Cantharides, Euforbium and Mer-
 cury, of each a like quantity, and of the Oyl de
 Bay, double as much as of all the rest; bring
 the

the hard Simples to Pouder, and beat all to a Salve; apply this to the grief (being desperate) and though it make a sore, it will give strength and streightness to the Sinews. For the sore, you may cure it either with Populeon, fresh Butter, or Deers-grease warm.

Another of the same nature, but more gentle.

Take Turpentine two ounces, Verdigrease three ounces, Hogs-grease six ounces; boyl them till the Verdigrease be dissolved: then take Rosin, Bees-wax, of each two ounces; mix all together, then apply it to the place grieved hot.

A charge for a new Strain or Grief, proceeding from Heat.

Take the whites of six Eggs, and beat them with a pint of Vinegar, the Oyl of Roses and Myrtles, of each an ounce; Bolearmony four ounces, as much Sanguis Draconis, and with as much Bean-flower, or Wheat-flower (but Bean is the best) as will thicken it; bring it to a Salve, and spreading it on hurds, lay it about the grieved part, and renew it not till it be dry.

For

For Aches, Cramps, and hid Pains.

Take Deers Suet, or for want of it, sweet Butter *half a pound*, of *Aqua-vita* a gill, of Saffron *half a dram*, Pepper beaten and seirsed *three drams*, Garlick bruised *three heads*; mix all together, and let them stew on the fire, and not boyl, till it come to a Salve.

With this very warm chafe the grief, then anoint a brown Paper therewith, and very hot apply it to the place also, and roul it up. Do this morning and evening.

For swelled or garded Legs, whether by Grease or other accident.

If your Horses Legs be swelled, only be cause the grease is fallen into them, and there is no other outward Ulcer, neither will the bathing with cold fountain Water. and other ordinary helps assuage them: then take a bottle of Wine-lees, or else the grounds of strong Ale or Beer, and boyl it with a pound of Hogs-grease; then with as much Wheat-bran as will thicken it, make thereof a Pultis: then having made the Horse an Hose of Vollen-cloth, fill it with this Pultis as hot as the Horse can suffer it, then close up the Hose

M

and

and let it abide two days; the third day open the Hose at the top, but stir not the Pultis, only take molten Hogs-grease very hot, and put it to the Pultis whilst it will receive any, for that will renew the strength thereof: then close the Hose, and let him stand either two dayes or three. Then you may open the Leg and rub it down; and if you find strong occasion, you may apply another: if not, the cure is wrought.

Now, if besides the Swelling, your Horse have Ulcers, Chaps and Sores, then apply the Pultis as before shewed: and after a weeks application, take a quart of old Urine, and put to it *half an handfull* of Salt, as much Allum, and *half an ounce* of white Copperas; boyl them together, and with it wash the Sore once or twice a day: Then after a little drying, anoint them with the Oyntment called *Egyptiacum*, and it's made of Vinegar *eight ounces*, of Honey *twelve ounces*, of Verdigrease *two ounces*, of Allum *an ounce and an half*, and boyled to the height, till it come to a red Salve, and it will both kill the malignant humours, and heal and dry up the Sores,

*For swell'd Legs, whether by grease, goutiness,
wind, or travel.*

First, bathe them well with the Pickle, or Brine which comes from Olives, being made hot: then take a pint of Train Oyl, as much Nerve-oyl, and as much oyl de-Bay, a quarter of a pound of Allum, half a pint of Sallet-oyl, half a pound of Hogs-grease; put all these to a pottle of old Urine, and with an handful or two of Mallows, Oatmeal bruised, and Bran; boyl them to a Pultis, and very hot apply it to the grief: Do thus once in two dayes.

For gardings in Joynts.

Make a very strong Brine of Water and Salt; and to a pottle thereof, put two or three handfals of Rue, and boyl it till the Herb be soft: then with this Water very hot bathe the grieved part.

Then take a flat Bag, fill'd with Salt, and heated hot at the fire, and lap it about the grief also. And thus do once or twice a day.

For Scratches at the first appearance.

Take Hogs-grease and black Sope, of each *eight ounces*; Brimstone, Lime, Gunpowder, of each *three ounces*; and Soot as much as will suffice to bring the rest to a Salve: boyl the Hogs-grease and Sope together, and bring the other to a fine powder, and mix all together, and make a black Oyntment: with this anoint the Sore once a day, after they are cleansed and made raw.

For Scratches of long continuance.

Take Honey, Verdigrease, Brimstone bruised small, green Copperas, and Bay-salt, of each *a like quantity*; boyl these with a double quantity of Hogs-grease, and put to it a big Root of Elicampane bruised in red Wine-vinegar, apply this to the Sores very hot, after you have cut away the hair, and made the Sores raw, as also suppld them by bathing them with new Milk from the Cow.

For Scratches held incurable.

First, let him blood in the shackle veins, the spur veins, and the fore-toe veins, only letting it be three dayes between the bleeding of the

the one Toe and the other : then with an hair-cloth rub the Sores till they be raw and bleed; then take a quart of old Urine, and a quart of strong Brine, and put to them half a pound of Allum, and boyl it to a quart.

With this hot, wash the Sores well, then take the sperm of Frogs (in *March*) and put it into an earthen Pot, and in a week it will look like Oyl: then take both the Oyl and the round things which you shall see in the sperm, and spreading it on a cloth, bind it to the Sores, and do this divers times.

*For any Splent, Spaven, Curb, Ring-bone
or Excreffion.*

First, clip away the Hair as far as the Excreffion goeth, and a little more; then take a piece of Allum'd Leather, made as big as the place you have bared, and fitted to the same proportion: then take a little Shoemakers Wax, and spread it round about the very edge or verge of the same, leaving all the inward part empty and not touched with the Wax. Then take the Herb Spear-grass, or Spearwort, which hath the virtue to raise Blisters; and bruising it, lay some thereof upon the Leather in the empty place, and bind it fast thereon, suffering it to lye (if it be in the Spring, or Summer-time,

when the Herb hath its full strength) near half a day ; but if it be in Winter, then it is not a mis (to renew the strength of the Herb) if you ad to it *a drop or two* of the Oyl of Origanum, and let it lye half a day fully, and be sure to tye up the Horses head, for fear of biting it away.

When you take away the Herb, rub the place well, and anoint it with Train-oyl warm, or else lay on a *Diminim* Plaister.

Another for a foul Splint.

Take Nerve-oyl *one ounce*, Cantharides the weight of *six pence*, and as much of the Oyl of Vipers, boyl them lightly ; then with this anoint the Splint cross the hair, and heat it in with a Hot Iron, then tye up the Horses head to the Rack for 24 hours : then squeeze out the corruption ; and do this twice or thrice.

For a Splint, and to dry up Windgals.

First, heat the Sorrance with an hot Pressing Iron, then vent it in several places with your Fleam ; then take *a spoonful* of Salt, *half a spoonful* of Nerve-oyl, *a penny weight* of Verdigrase, and the white of an Egg ; beat all to a Salve, and dipping Flax hurds therein, apply it to the grief.

For

For Pains, Mules and Rats-tails.

First, take away all the Scabs and make the Sore raw, then with strong Mustard made with wine-vinegar, anoint them all over, and do this every night. The next morning, take *half a pound* of green Copporas, and boyl it in *a pottle* of running water, with *an handful* of Sage, and so much Hyssop, *a quarter of a pound* of Allum, and as much strong Mustard; and with this bathe the Sore twice or thrice a day.

For Maleander or Selander.

Take the oyl of Bay *an ounce*, half so much Sugar, and a good quantity of the oyl or froth which cometh from green Broom-stalks, being laid in the fire: mix it well, and with this anoint the Sores, and it kills and dries them up.

For the Swift-cut, and to heal all Wounds.

Take *a pint* of white Wine, and put to it *two or three spoonfuls* of Honey, and stir them and boyl them to a Salve; then take it from the fire, and put to it half so much Turpentine as there was Honey, and stir all together.

With this Salve, somewhat hot, anoint the Sores twice or thrice a day, and it is a most speedy healer.

For any Maunge or Scab in a clean fed Horse.

First let blood, then take *a quart* of old Urine or Vinegar, and break into it *a quarter of a pound* of good Tobacco; then set it on a fire of embers, and not boyl, and so let it stew all night: with this Water wash the infected places, whether it be in the Mane or otherwise, and it helpeth.

For any Maunge or universal Leprosie in a foul surfeited Horse.

First, let blood in the Neck-vein, and take away good store; then curry off all the scurf, and take Verjuice and Vinegar *a pint*, Cowpiss *a pint*, Train-oyl *a pint*, old Urine *a pint*, and put to them *an handful* of wild Tanhie, *an handful* of Bay-salt, *a quarter of a pound* of Brimstone, as much Allum, *two ounces* of Verdigrease, and *four ounces* of Bolearmony, boyl all well together.

With this (very hot) wash the Horse well, and if you put to it the quantity of *a pint* of blood you take away, it is not amiss. Do this twice or thrice.

For

*For a Canker, foul Ulcer, Leprosie, and to
make Hair grow.*

Take a quart of Tar, and one the fire put to it half a pound of Bores-grease, an ounce of Copperas, a quarter of a pound of Salt-peter, two ounces of Wax, a quart of Honey, a quarter of a pound of Rozin, two ounces of Verdigrease, a quart of Linseed Oyl, and seeth them till half be consumed; then strain it, and keep it close in a pot. Then, when you will use it, take of it warm, and apply it to the Sore, it doth both heal, draw, and make Hair grow.

For a Fistula, or Pole-evil.

Take Euforbium with Mastick; mix them together, then seeth them well with French-Sope, and make a Tent, and put it into the Fistula, and it will consume the evil moisture.

For a foul Farcy.

Take Tar, and fresh Hogs-grease, of each half a pound, Hemlock an handful, Arsesmart three handfuls, and as many Nettles; boyl these in a pottle of old Urine, and apply it very hot to the Swelling; but touch it not with your hand, for it is too sharp.

Lastly, take a pint of white Wine-vinegar, a quarter of an ounce of Verdigrease, and a little bundle of Hyssop, beat them in a Mortar,

tar, and boyl it to an half pint: then with Balls of Flax, put it luke-warm into both his Ears, and stitch the tips together, then tye his head up to the Rack for two hours: Do thus twice.

For a most desperate Farcy.

Take the Herb called Clay-clayes, which is a weed growing by the Water-side, (having a great broad round leaf, and is green on the upper-side, and white on the nether) and Rue, of each *a like quantity*, beat them and strain them: then to *a pint* of that juyce, put of Housleek *a handfull*, *half a pint* of *Agna-vite*, and *two good spoonfulls* of Pepper beaten and seirled.

Of this Liquor take *a pint* and give it the Horse to drink; then with round Balls of Flax dipt in the same, stop up both his Ears, then with the strained bruising of all the Herbs, rub the Sores, and stop the holes if there be any hollownes: Do thus twice at the least.

For any Founder or Frettize wet or dry.

First, pare thin, open the Heels wide, and take good store of blood from the Toes or shackle Veins (which some hold good); then tack on a Shooe somewhat hollow, broad at the

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the heels, and the inside of the web, from the first nail to the heel turned inward, towards the Frog, yet not touch any part thereof, or the Hoof: so that the Horse may tread on the out verge of the shooe, and not on the inward; then take Burgundy-pitch, and rolling it in a little fine Cotton-wooll or Bombast, with an hot Iron melt it into the foot betwixt the shooe and the toe, till the orifice where the blood was taken be filled up; then take a pound of Hogs-grease, and melt it, and mix it with Wheat-bran, till it be as thick as a Pultiss: then boyling-hot stop up the Horses feet therewith, then cover it with a piece of an old shooe, and splent it up, and so let him stand for three or four dayes: then if occasion serve, you may renew it; or otherwise, the cure is wrought.

To make Hoofs to grow quickly, and to be tough and strong.

Take Allum, the juyce of Garlick, of each seven ounces, Rue three handfuls, old Hoggsgrease two pound, of Asses-dung, or for want of it, Cow-dung an handful; mix them and boyl them together.

With this, both stop the Horses feet, and anoint the crownets of the Hoofs, the Medicine being hor.

For

For brittle Hoofs.

Take Turpentine, Sheeps-suet, unwrought Wax, and Hogs-grease, of each *half a pound*; Pitch, Rozin, *half a pound*; Sallet-oyl *half a pint*, and of Dogs-grease *a pound*; boyl all together, and keep it in a Gallipot: With this Oyntment anoint the Hoofs outwardly, and if you please, tie some of the Oyntment with a cloth to the Crownets, then stop them within with Cow-dung and Dogs-grease mixt together.

*For Surbat, or soreness in the Feet,
whether by travel, too near paring,
or other accident.*

Take a *lump* of course Sugar, and with an hot Iron melt it between the Shooe and the Foot; and when it is hardned, take Nettles and Bay-salt, and stamp them, stop up the Frog of the Foot also.

For a Quitter-bone.

First, Tent it a day or two with Hogs-grease and Verdigrease ground together: then take scalding-hot Hogs-grease and pour it into the hole, and lay a Plaister of Pitch and Tar mixt over it for 24 hours; then if the Bone rise not, do the same again, and it will rise.

For

*For Saddle-bruises, hard Swellings,
and Impositumations.*

First, ripen it with wet Hay, or rotten Litter; then when it is soft, open it and let out the corruption, then fill the hollownes with the Pouder of Rozen, and lay a Plaister of Shooe-makers-wax over it: and thus do once a day till it be whole. If it be slow in skinning or drying up, throw on the Pouder of un-slackt Lime, and Bolarmony mixt together. But if any proud flesh arise, take it down either with burnt Allum, or Verdigrease in powder.

Another for a Sore Back.

Take the juyce of Seladine and life-Honey, of each *two spoonfuls*, beat them with the yolk of an Egg, and with as much Allum and Wheat-flower as will serve to bring it to a Salve; dress the Sore with this once a day: it draweth and healeth.

*For a Prick with a Pitch-fork on the
Crownnet, or other parts.*

Take a pottle of Urine, *two handfuls* of Mallows, and *half a pound* of Boars-grease, boyl them together, and being reasonable hot, bathe the Legs therewith, then apply the Mallows to the Wound: but if the Swelling

ling ascend upward, and be great; then rope the Leg up, and moist the ropes with his Urine. This is good for any Swelling, whether of grease or otherwise.

For any Chafing or Galling.

Make the Sore dry, and then rub it with a raw Egg, shell and all.

A general Salve for any Sore, Swelling, Prick, Cloying or Tread.

Take Turpentine, black Sope, Hogs-grease, green Treat and Pitch a like quantity: mix and boyl them together, and apply it warm, either Plaisterwise or Tentwise.

To make Hair grow in bald places.

Take Sope a quarter of a pound, as much Bears-grease, and a quarter of a pint of Aquavita; boyl these together, and apply it to the bald places; in a fortnight it will bring Hair.

To stanch Blood.

Take wild Tanfie, and bruise it in your hand, and apply it. Also Primrose leaves used in the like manner have the same effect. Otherwise, take a piece of an old Felt Hat, and

and burn it to powder, and apply it to the
Wound, or put it up, or snuff it up into the
Nose if it bleed. *To stop a wound soon
down if better*

For Enterfering.

Take a sharp and knotted Cord, and draw
it from his Dock, between his Legs to the
Gyrths, and so ride him, or else rub Starch be-
tween his Thighs. This I allow rather for an
Horse-courfers Help, than a present Cure.

*To tame an unruly Horse, what he may be
drenche or dress of any grief.*

Put into one of his Ears, a little round sharp
Flint stone, and gripe it hard therein. if you
do so to both, he will be more quiet.

F I N I S.

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take to sponfull of waine fode
an as much powder of brimst
an give it the horse in a quart
of ale or beer
or take as much blacke sage
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into a quart of ale an give it the
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To skin any fore foote

like Turpentine simply of it suff
and annoint the fore foote and it
will not onely gather skin but
soone also if it be in a place where
any such need requirith also
White lead and traine oyle beaten
together will doe the like

How to save away any dead flesh
Oyle fresh yeast an uordigree of
each alike quantity together and
ther to scumt or plaster the fore
therwith

An approved medicine for any
limb straine whatsoever

Take of vinegar a pint the white
of three or four egges a mace
of camomille an heane flower of
sulf bring it to a thicke scumt over
a fire then when it is very hot
lay it plaster wise upon the
straine and bound about the leggs
It cures all swelling betwixt an

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